Product Datasheet

CD13/ANPEP Antibody (monoclonal, 5B9) (orb692237)

Catalog Number	orb692237
Description	Anti-CD13/ANPEP Antibody (monoclonal, 5B9). Tested in IHC, WB applications. This antibody reacts with Human, Monkey, Rat.
Species/Host	Mouse
Reactivity	Human, Monkey, Rat
Conjugation	Unconjugated
Tested Applications	IHC, WB
Immunogen	E.coli-derived human CD13/ANPEP recombinant protein (Position: D148-S966).
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Western blot, 0.25-0.5µg/ml, Human, Rat, Monkey Immunohistochemistry (Paraffin-embedded Section), 2-5µg/ml, Human, Rat. Add 0.2ml of distilled water will yield a concentration of 500ug/ml
Isotype	Mouse IgG2b
Clonality	Monoclonal
Clone Number	5B9
Antibody Type	Primary Antibody

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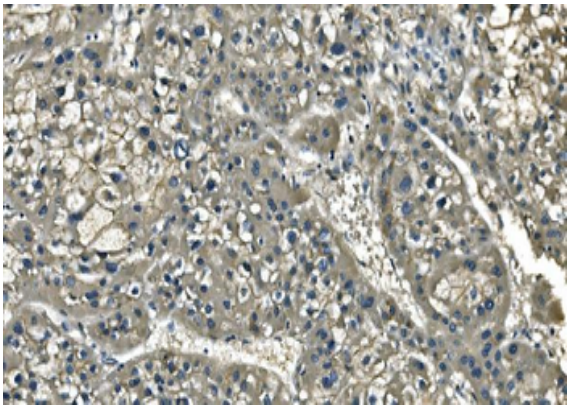
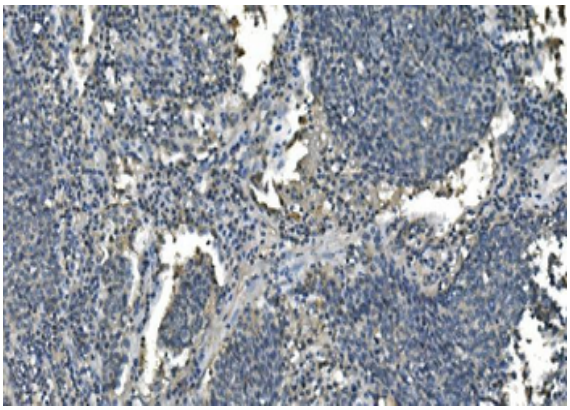
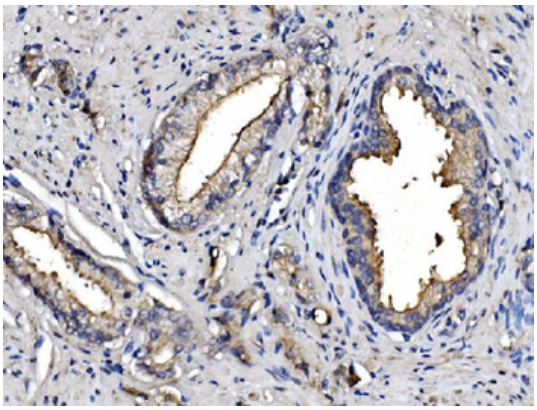
MW	150 kDa
Uniprot ID	**P15144**
Expiration Date	12 months from date of receipt.



IHC analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. CD13/ANPEP was detected in paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml mouse anti-CD13/ANPEP Antibody overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. CD13/ANPEP was detected in paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml mouse anti-CD13/ANPEP Antibody overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. CD13/ANPEP was detected in paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml mouse anti-CD13/ANPEP Antibody overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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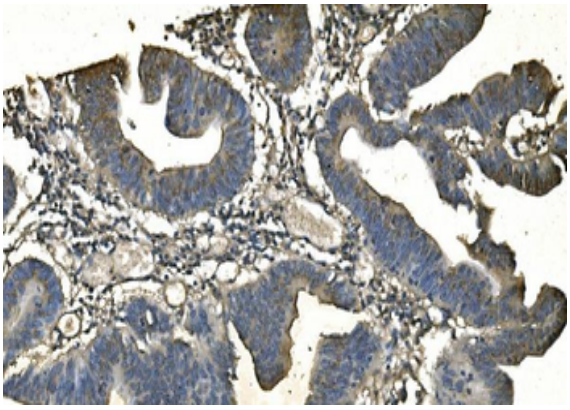
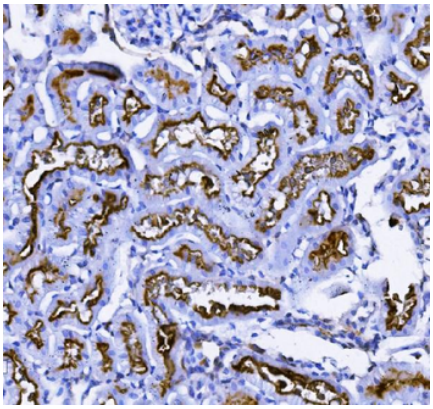


IHC analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. CD13/ANPEP was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml mouse anti-CD13/ANPEP Antibody overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.



IHC analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. CD13/ANPEP was detected in paraffin-embedded section of rat kidney tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 µg/ml mouse anti-CD13/ANPEP Antibody overnight at 4°C. Biotinylated goat anti-mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC) with DAB as the chromogen.

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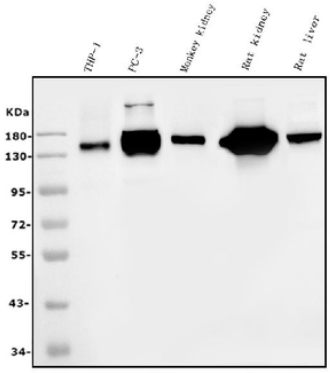

Western blot analysis of CD13/ANPEP using anti-CD13/ANPEP antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: monkey kidney tissue lysates, Lane 4: rat kidney tissue lysates, Lane 5: rat liver tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with mouse anti-CD13/ANPEP antigen affinity purified monoclonal antibody at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for CD13/ANPEP at approximately 150 KD. The expected band size for CD13/ANPEP is at 150 KD.

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