

Product Datasheet

Chromogranin A/Chga Antibody (orb1098109)

Catalog Number orb1098109

Category Antibodies

Description Anti-Chromogranin A/Chga Antibody. Tested in IF, ICC, WB applications. This

antibody reacts with Mouse, Rat.

Clonality Polyclonal

Species/Host Rabbit

Isotype Rabbit IgG

Conjugation Unconjugated

Reactivity Mouse, Rat

Form/Appearance Lyophilized

Concentration Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.

Purification Immunogen affinity purified.

Immunogen A synthetic peptide corresponding to a sequence at the N-terminus of rat

Chromogranin A/Chga, which shares 77.8% and 100% amino acid (aa) sequence

identity with human and mouse CHGA, respectively.

UniProt ID P10354

MW 70-80 kDa

Tested applications ICC, IF, WB

Application notes Western blot, 0.25-0.5 μg/ml, Mouse, Rat

Immunocytochemistry/Immunofluorescence, 5 µg/ml, Mouse. Adding 0.2 ml of

distilled water will yield a concentration of 500 µg/ml





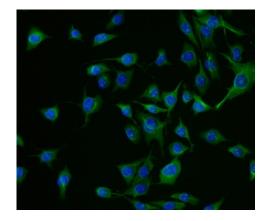
Cross Reactivity No cross-reactivity with other proteins.

Antibody Type Primary Antibody

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

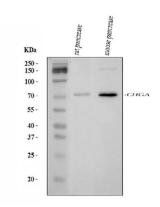


IF analysis of Chromogranin A/Chga using anti-Chromogranin A/Chga antibody. Chromogranin A/Chga was detected in an immunocytochemical section of RM-1 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 µg/mL rabbit anti-Chromogranin A/Chga Antibody overnight at 4°C. DyLight®488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.

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Western blot analysis of Chromogranin A/Chga using anti-Chromogranin A/Chga 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 30 ug of sample under reducing conditions. Lane 1: rat pancrease tissue lysates, Lane 2: mouse pancrease 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 rabbit anti-Chromogranin A/Chga antigen affinity purified polyclonal 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-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 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 Chromogranin A/Chga at approximately 70-80 kDa. The expected band size for Chromogranin A/Chga is at 52 kDa.

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