

Product Datasheet

Caspr2/CNTNAP2 Rabbit Polyclonal Antibody (orb1728219)

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| Catalog Number | orb1728219 |
| Category | Antibodies |
| Description | Anti-Caspr2/CNTNAP2 Antibody. Tested in ELISA, WB applications. This antibody reacts with Human, Mouse, Rat. |
| Target | Contactin-associated protein-like 2 |
| Clonality | Polyclonal |
| Species/Host | Rabbit |
| Isotype | Rabbit IgG |
| Conjugation | Unconjugated |
| Reactivity | Human, Mouse, Rat |
| Form/Appearance | Lyophilized |
| Concentration | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |
| Buffer/Preservatives | Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ . |
| Reconstitution | Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml. |
| Purification | Immunogen affinity purified. |
| Immunogen | E.coli-derived human Caspr2/CNTNAP2 recombinant protein (Position: N363-E1159). |
| UniProt ID | Q9UHC6 |

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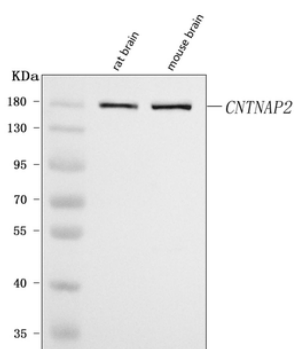
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| | |
|----------------------------|---|
| MW | 170 kDa |
| Tested applications | ELISA, WB |
| Dilution range | Western blot, 0.25-0.5 µg/ml, Mouse, Rat ELISA, 0.1-0.5 µg/ml, - |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Antibody 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 |
| Expiration Date | 12 months from date of receipt. |



Western blot analysis of Caspr2/CNTNAP2 using anti-Caspr2/CNTNAP2 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 µg of sample under reducing conditions. Lane 1: rat brain tissue lysates, Lane 2: mouse brain 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-Caspr2/CNTNAP2 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 Caspr2/CNTNAP2 at approximately 170 kDa. The expected band size for Caspr2/CNTNAP2 is at 170 kDa.

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