Datasheet for ABIN7600714

anti-ADAM22 antibody (AA 223-829)

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Overview

Quantity:	100 µg
Target:	ADAM22
Binding Specificity:	AA 223-829
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ADAM22 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Flow Cytometry (FACS)

Product Details

Purpose:	Anti-ADAM22 Antibody Picoband®
Immunogen:	E.coli-derived human ADAM22 recombinant protein (Position: S223-R829).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-ADAM22 Antibody Picoband® (ABIN7600714). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ADAM22
Alternative Name:	ADAM22 (ADAM22 Products)
Background:	Synonyms: N-alpha-acetyltransferase 15, NatA auxiliary subunit,Gastric cancer antigen Ga19,N-terminal acetyltransferase,NMDA receptor-regulated protein 1,Protein tubedown-1,Tbdn100,NAA15,GA19, NARG1, NATH, TBDN100, Tissue Specificity: Expressed at high levels in testis and in ocular endothelial cells. Also found in brain (corpus callosum), heart, colon, bone marrow and at lower levels in most adult tissues, including thyroid, liver, pancreas, mammary and salivary glands, lung, ovary, urogenital system and upper gastrointestinal tract. Overexpressed in gastric cancer, in papillary thyroid carcinomas and in a Burkitt lymphoma cell line (Daudi). Specifically suppressed in abnormal proliferating blood vessels in eyes of patients with proliferative diabetic retinopathy. . Background: Disintegrin and metalloproteinase domain-containing protein 22 also known as ADAM22 is an enzyme that in humans is encoded by the ADAM22 gene. This gene encodes a member of the ADAM (a disintegrin and metalloprotease domain) family. Members of this family are membrane-anchored proteins structurally related to snake venom disintegrins, and have been implicated in a variety of biological processes involving cell-cell and cell-matrix interactions, including fertilization, muscle development, and neurogenesis. Unlike other members of the ADAM protein family, the protein encoded by this gene lacks metalloprotease activity since it has no zinc-binding motif. This gene is highly expressed in the brain and may function as an integrin ligand in the brain. In mice, it has been shown to be essential for correct myelination in the peripheral nervous system. Alternative splicing results in several transcript variants.
Molecular Weight:	80-90 kDa
Gene ID:	53616
UniProt:	Q9P0K1

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Mouse, Rat Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Mouse, Rat Flow Cytometry (Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Fukata, Y., Adesnik, H., Iwanaga, T., Bredt, D. S., Nicoll, R. A., Fukata, M. Epilepsy-related ligand/receptor complex LGI1 and ADAM22 regulate synaptic transmission. Science 313: 1792-

Application Details

	1795, 2006. 2. Hivert, B., Marien, L., Agbam, K. N., Faivre-Sarralh, C. ADAM22 and ADAM23 modulate the targeting of the Kv1 channel-associated protein LGI1 to the axon initial segment. J. Cell Sci. 132: jcs219774, 2019. 3. Maddirevula, S., Alzahrani, F., Al-Owain, M., Al Muhaizea, M. A., Kayyali, H. R., AlHashem, A., Rahbeeni, Z., Al-Otaibi, M., Alzaidan, H. I., Balobaid, A., El Khashab, H. Y., Bubshait, D. K., and 36 others. Autozygome and high throughput confirmation of disease genes candidacy. Genet. Med. 21: 736-742, 2019.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.