

Anti-CLSTN2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Pig,Cow,Horse,Rabbit)
Molecular Weight:	Theoretical: 105 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	Paraformaldehyde-fixed, paraffin embedded (Mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (CLSTN2) Polyclonal Antibody, Unconjugated (TMAB-04470) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
Application:	IHC-P,IHC-Fr,IF
Recommended	IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human CLSTN2
Antigen Species:	Human
Gene ID:	64084
Uniprot ID:	Q9H4D0

Research Background

Members of the calyntenin protein family are localized to the post-synaptic membrane of excitatory central nervous system (CNS) synapses. Calyntenin-2, also known as Alcadin-gamma, is a 955 amino acid protein that localizes to the endoplasmic reticulum, golgi apparatus and plasma membranes. Containing 2 cadherin-like repeats in its N-terminal extracellular region, calyntenin-2 binds synaptic calcium with its cytoplasmic domain, suggesting a role in the modulation of calcium-mediated postsynaptic signals. Under normal physiological conditions, calyntenin-2 is proteolytically processed in an event in which the primary zeta-cleavage generates a short C-terminal transmembrane fragment and a long extracellular N-terminal domain.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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