



## CSTN3 rabbit pAb

<b>Catalog No</b>	BYab-08122
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB
<b>Gene Name</b>	CLSTN3 CS3 KIAA0726
<b>Protein Name</b>	CSTN3
<b>Immunogen</b>	Synthesized peptide derived from human CSTN3 AA range: 660-710
<b>Specificity</b>	This antibody detects endogenous levels of CSTN3 at Human/Mouse/Rat
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.237% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	Calsyntenin-3 (Alcadein-beta) (Alc-beta)
<b>Observed Band</b>	105kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Endoplasmic reticulum membrane . Golgi apparatus membrane . Cell junction, synapse, postsynapse . Cell projection, dendrite . Most prominent in the postsynaptic specializations of asymmetric (type I) synapses with both axodendritic and axospinous localization. .
<b>Tissue Specificity</b>	According to PubMed:12498782, expressed predominantly in the brain and in kidney. Low levels in heart, skeletal muscle, liver, placenta, pancreas and lung. According to PubMed:12972431, predominant expression in brain, and only marginal in kidney. In brain, present throughout all cortical layers, highest levels in GABAergic neurons (based on morphology and distribution pattern).
<b>Function</b>	domain: Binds synaptic Ca <sup>2+</sup> with its cytoplasmic domain.,function: May modulate calcium-mediated postsynaptic signals (By similarity). Complex formation with APBA2 and APP, stabilizes APP metabolism and enhances APBA2-mediated suppression of beta-APP40 secretion, due to the retardation of intracellular APP maturation.,PTM: Proteolytically processed under normal cellular conditions. A primary zeta-cleavage generates a large extracellular (soluble)

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N-terminal domain (sA $\beta$ c) and a short C-terminal transmembrane fragment (CTF1). A secondary cleavage catalyzed by gamma-secretase within the transmembrane domain releases the beta-A $\beta$ c-beta chain in the extracellular milieu and produces an intracellular fragment (A $\beta$ cICD). This processing is strongly suppressed in the tripartite complex formed with APBA2 and APP, which seems to prevent the association with gamma-secretase.,similarity:Contains 2 cadh

### Background

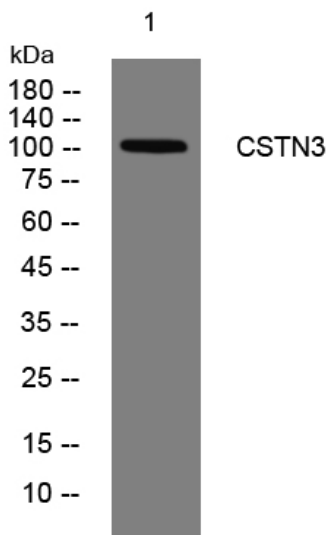
### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night