CR3L1 Rabbit pAb

CatalogNo: YN1958

Key Features

Host Species
- Rabbit

Reactivity
- Human,Rat,Mouse

Applications
- WB,ELISA

MW
- 57kD (Observed)

Isotype
- IgG

Recommended Dilution Ratios

WB 1:500-2000
ELISA 1:5000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CR3L1 Polyclonal Antibody detects endogenous levels of protein.

Target Information

Gene name	CREB3L1 OASIS PSEC0238

Protein Name Cyclic AMP-responsive element-binding protein 3-like protein 1 (cAMP-responsive element-binding protein 3-like protein 1) (Old astrocyte specifically-induced substance) (OASIS) [Cleaved into: Processed cyclic AMP-responsive element-binding protein 3-like protein 1]

Organism	Gene ID	UniProt ID
Human	90993;	Q96BA8;
Mouse		Q9Z125;
Rat		Q66HA2;

Cellular Localization Endoplasmic reticulum membrane ; Single-pass type II membrane protein. ER membrane resident protein. Upon ER stress, translocated to the Golgi apparatus where it is cleaved. The cytosolic N-terminal fragment (processed cyclic AMP-responsive element-binding protein 3-like protein 1) is transported into the nucleus. .; [Processed cyclic AMP-responsive element-binding protein 3-like protein 1]: Nucleus . Upon ER stress, transported into the nucleus. .

Tissue specificity Expressed in several tissues, with highest levels in pancreas and prostate. Expressed at relatively lower levels in brain.

Function Function:Transcription factor that acts during endoplasmic reticulum stress by activating unfolded protein response target genes. Specifically involved in ER-stress response in astrocytes in the central nervous system (By similartity). May play a role in gliosis. In vitro, binds to box-B element, cAMP response element (CRE) and CRE-like sequences, and activates transcription through box-B element but not through CRE.,PTM:Controlled by regulated intramembrane proteolysis (RIP). Following ER stress a fragment containing the cytoplasmic transcription factor domain is released by proteolysis. The cleavage is performed sequentially by site-1 and site-2 proteases (PS1 and PS2) and is triggered by translocation to the Golgi apparatus.,similarity:Belongs to the bZIP family. ATF subfamily.,similarity:Contains 1 bZIP domain.,subcellular location:Under ER stress the cleaved N-terminal cytoplasmic domain translocates into the nucleus.,tissue specificity:Ubiquitously expressed with high levels in pancreas and prostate. Expressed at relatively lower levels in brain.,

Validation Data

Contact information

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Please scan the QR code to access additional product information:
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