

Rabbit CABIN1 Polyclonal Antibody | anti-CABIN1 antibody

CABIN1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327879	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

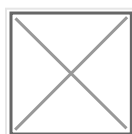
PRODUCT SYNONYMS

CABIN1; Polyclonal Antibody; CABIN1 Antibody; A330070M20Rik; Cabin 1; CABIN_HUMAN; Cabin1; CAIN; Calcineurin binding protein cabin 1; Calcineurin inhibitor; Calcineurin-binding protein cabin-1; KIAA0330; PPP3IN; anti-CABIN1 antibody

PRODUCT SPECIFICATIONS

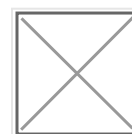
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CABIN1 antibody detects endogenous levels of total CABIN1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2220
Applicable Applications for anti-CABIN1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human CABIN1
Subcellular Location	Nucleus.
Tissue Specificity	Widely expressed in different tissues.
Predicted Cross Reactivity	Pig, Bovine, Rabbit, Dog
Similarity	Pig (91%), Bovine (100%), Rabbit (100%), Dog (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327879 at 1/100 staining Human breast cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of CABIN1 using COLO205 whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-CABIN1 antibody	Function: May be required for replication-independent chromatin assembly. May serve as a negative regulator of T-cell receptor (TCR) signaling via inhibition of calcineurin. Inhibition of activated calcineurin is dependent on both PKC and calcium signals. Acts as a negative regulator of p53/TP53 by keeping p53 in an inactive state on chromatin at promoters of a subset of it's target genes. Subunit Structure: Component of a complex that includes at least ASF1A, CABIN1, HIRA, histone H3.3 and UBN1. Interacts with calcineurin. Interacts with MEF2B. Post-translational Modifications: Activated through PKC-mediated hyperphosphorylation. Phosphorylation by the DNA damage kinases ATM and CHK2 enhances ubiquitination. Upon genotoxic stress, ubiquitination by the DCX(DDB2) E3 ubiquitin-protein ligase complex targets CABIN1 for proteasomal degradation, leading to the release of p53/TP53.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	313151181
NCBI GeneID	23523
NCBI Accession #	NP_001186210.1
NCBI GenBank Nucleotide #	NM_001199281.1
UniProt Accession #	Q9Y6J0; Q6PHY0; Q9Y460; G5E9F3
Molecular Weight	Observed: 246 kDa Predicted: 247 kDa
NCBI Official Full Name	calcineurin-binding protein cabin-1 isoform a
NCBI Official Synonym Full Names	calcineurin binding protein 1
NCBI Official Symbol	CABIN1
NCBI Official Synonym Symbols	CAIN; PPP3IN; KB-318B8.7
NCBI Protein Information	calcineurin-binding protein cabin-1
UniProt Protein Name	Calcineurin-binding protein cabin-1
UniProt Gene Name	CABIN1
UniProt Synonym Gene Names	KIAA0330; CAIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cabin1-antibody-immunohistochemistry-western-blot-elisa/327879>