

Rabbit CABP7 Polyclonal Antibody | anti-CABP7 antibody

CABP7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA324536	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

CABP7; Polyclonal Antibody; CABP7 Antibody; CaBP7; CABP7_HUMAN; Calcium binding protein CaBP7; Calcium-binding protein 7; CALN2; Calneuron 2; Calneuron II; Calneuron-2; MGC129428; MGC129429; MGC57793; MGC94082; OTTMUSP00000005262; rCaBP7; RP23-280J3.1; anti-CABP7 antibody

PRODUCT SPECIFICATIONS

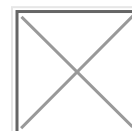
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CABP7 antibody detects endogenous levels of total CABP7
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	215
Applicable Applications for anti-CABP7 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Golgi Apparatus > Trans-Golgi Network Membrane. Cytoplasm > Perinuclear Region. Cell Membrane.
Predicted Cross Reactivity	Pig, Dog, Chicken
Similarity	Pig (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from Jurkat cells, using CABP7 antibody.



IHC (Immunohistochemistry)

AAA324536 at 1/100 staining Mouse liver 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.



IF (Immunofluorescence)

AAA324536 staining Hela by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CABP7 antibody	Function: Negatively regulates Golgi-to-plasma membrane trafficking by interacting with PI4KB and inhibiting its activity. Subunit Structure: Interacts with PI4KB. This binding competes with FREQ/NCS1 binding in a calcium-dependent manner (By similarity). Similarity: The C-terminal transmembrane domain (TMD) is necessary and sufficient for membrane targeting.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	32698884
NCBI GeneID	164633
NCBI Accession #	NP_872333.1
NCBI GenBank Nucleotide #	NM_182527.2
UniProt Accession #	Q86V35
Molecular Weight	Observed: 25 kD Predicted: 25 kDa
NCBI Official Full Name	calcium-binding protein 7
NCBI Official Synonym Full Names	calcium binding protein 7
NCBI Official Symbol	CABP7
NCBI Official Synonym Symbols	CALN2
NCBI Protein Information	calcium-binding protein 7
UniProt Protein Name	Calcium-binding protein 7
UniProt Gene Name	CABP7
UniProt Synonym Gene Names	CALN2; CaBP7

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.