

Rabbit Occludin Polyclonal Antibody | anti-OCN antibody

Phospho-Occludin (Tyr287) Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328265	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

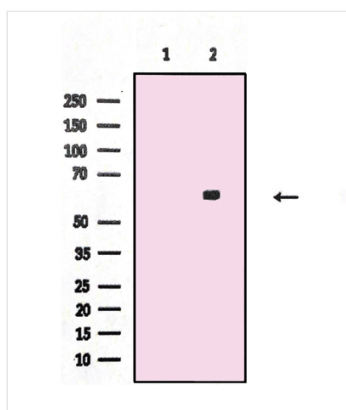
PRODUCT SYNONYMS

Occludin; Polyclonal Antibody; Phospho-Occludin (Tyr287) Antibody; BLCPMG; FLJ08163; FLJ18079; FLJ77961; FLJ94056; MGC34277; OcIn; OCLN_HUMAN; Tight junction protein occludin; anti-OCN antibody

PRODUCT SPECIFICATIONS

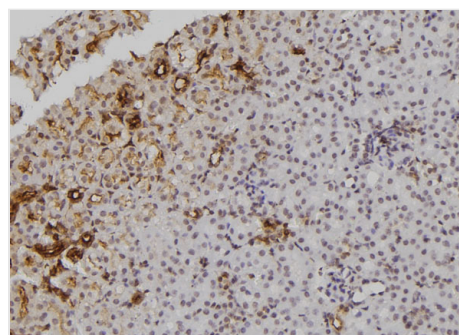
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Phospho-Occludin(Tyr287) Antibody detects endogenous levels of Occludin only when phosphorylated at Tyr287.
Purity/Purification	Peptide affinity purification
Form/Format	Liquid; Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	271
Applicable Applications for anti-OCN antibody	ELISA (Peptide ELISA), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Occludin around the phosphorylation site of Tyr287.
Preparation and Storage	Store at -20°C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western Blot analysis of extracts from PC12(Ips4h treatment), using Phospho-Occluding (Tyr287) Ab. The lane on the left was treated with blocking peptide.



IHC (Immunohistochemistry)

At 1/100 staining mouse kidney tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue 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

ADDITIONAL INFORMATION

Related Product Information for anti- OCLN antibody	Description: May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. It is able to induce adhesion when expressed in cells lacking tight junctions.
	Post Translational Modifications: Dephosphorylated by PTPRJ. The tyrosine phosphorylation on Tyr-398 and Tyr-402 reduces its ability to interact with TJP1. Phosphorylation at Ser-490 also attenuates the interaction with TJP1.
	Subunit Structure: Interacts with TJP1/ZO1 (PubMed:19017651). Interacts with VAPA (PubMed:10523508). Interacts with CLDN1, CLDN6, CLDN9, CLDN11, CLDN12 and CLDN17 (PubMed:20375010).
	Similarity: The C-terminal is cytoplasmic and is important for interaction with ZO-1. Sufficient for the tight junction localization. Involved in the regulation of the permeability barrier function of the tight junction (By similarity). The first extracellular loop participates in an adhesive interaction. Belongs to the ELL/occludin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	327478416
NCBI GeneID	100506658
NCBI Accession #	NP_001192184.1
NCBI GenBank Nucleotide #	NP_001192184.1
UniProt Accession #	Q16625
Molecular Weight	Observed: 62 kDa Predicted: 60 kDa
NCBI Official Full Name	occludin isoform b
NCBI Official Synonym Full Names	occludin
NCBI Official Symbol	OCLN
NCBI Official Synonym Symbols	BLCPMG; PTORCH1; PPP1R115
NCBI Protein Information	occludin
UniProt Protein Name	Occludin
UniProt Gene Name	OCLN
UniProt Entry Name	OCLN_HUMAN

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/occludin-antibody-peptide-elisa-immunohistochemistry-western-blot-elisa/328265>