

PLEKHA7 Rabbit pAb

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Catalog # AP55260

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6IQ23
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	127135
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PLEKHA7
Epitope Specificity	1001-1121/1121
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell junction > adherens junction. Cytoplasm. Cytoplasm > cytoskeleton > centrosome. Localizes to zonula adherens, recruited via its interaction with CTNND1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	PLEKHA7 (pleckstrin homology domain containing, family A member 7), also known as PH domain-containing family A member 7, is a 1,121 amino acid protein that contains one PH domain and two WW domains. Encoded by a gene that maps to human chromosome 11p15.1, PLEKHA7 exists as three alternatively spliced isoforms. Localizing to cell-cell junctions in Caco2 cells, PLEKHA7 interacts with the adherens junction protein p120 in human colon carcinoma cells. PLEKHA7 also colocalizes with zona adherens proteins and is necessary for zonula adherens biogenesis and maintenance. Associated with systolic blood pressure (SBP) and hypertension, PLEKHA7 is a potential target for the prevention or treatment of hypertension. PLEKHA7 is also linked to autoimmune hepatitis type 1, a chronic active hepatitis characterized by hypergammaglobulinemia and autoantibodies.

Additional Information

Gene ID	144100
Other Names	Pleckstrin homology domain-containing family A member 7, PH domain-containing family A member 7, PLEKHA7
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

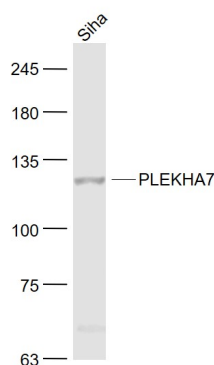
Protein Information

Name	PLEKHA7
Function	Required for zonula adherens biogenesis and maintenance (PubMed: 19041755). Acts via its interaction with CAMSAP3, which anchors microtubules at their minus-ends to zonula adherens, leading to the recruitment of KIFC3 kinesin to the junctional site (PubMed: 19041755). Mediates docking of ADAM10 to zonula adherens through a PDZD11-dependent interaction with the ADAM10-binding protein TSPAN33 (PubMed: 30463011).
Cellular Location	Cell junction, adherens junction. Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Localizes to zonula adherens, recruited via its interaction with CTNND1.

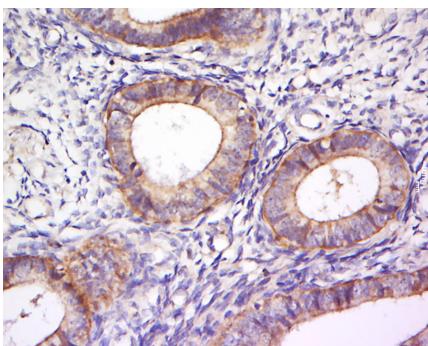
Background

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Images



Sample:
SiHa(Human) Cell Lysate at 30 ug
Primary: Anti- PLEKHA7 (AP55260) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 127 kD
Observed band size: 127 kD



Tissue/cell: human cervical cancer; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-PLEKHA7 Polyclonal Antibody, Unconjugated(AP55260) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.