

STOM Polyclonal Antibody

Catalog number: 12046-1-AP

Size: 20 µg/150 µl

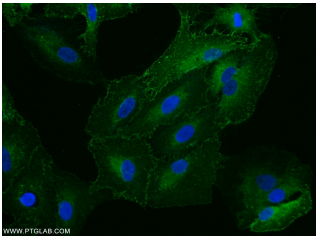
Source: Rabbit

Isotype: IgG

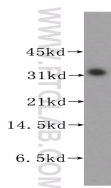
Synonyms:

STOM; BND7, EPB7, EPB72,

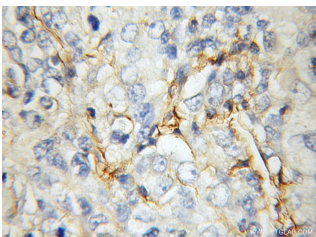
Protein 7.2b, STOM, stomatin



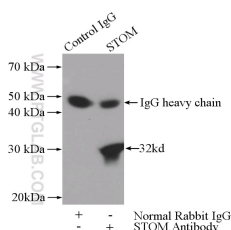
Immunofluorescent analysis of A549 cells using 12046-1-AP (STOM Antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



human heart tissue were subjected to SDS PAGE followed by western blot with 12046-1-AP(STOM antibody) at dilution of 1:500



Immunohistochemical of paraffin-embedded human lung cancer using 12046-1-AP(STOM antibody) at dilution of 1:100 (under 10x lens)



IP Result of anti-STOM

(IP:12046-1-AP, 3µg;

Detection:12046-1-AP 1:300)

Background

STOM, also named as BND7, EPB72, Stomatin and Protein 7.2b, belongs to the band 7/mec-2 family. It is thought to regulate cation conductance. STOM may regulate ACCN1 and ACCN3 gating. STOM is a membrane protein involved in regulation of monovalent cation transport through lipid membranes. Interestingly, STOM (which has a structure similar to caveolin) is a major lipid-raft component of erythrocytes. It may have a role in membrane microdomains modulation leading to membrane budding and MPs release.(PMID:19138258)

Applications

Tested applications:	ELISA, WB, IHC, IP, IF
Cited applications:	WB
Species specificity:	Human; other species not tested.
Cited species:	Human
Calculated STOM MW:	288aa,32 kDa
Observed STOM MW:	32 kDa
Positive WB detected in	Human heart tissue, HeLa cells, human liver tissue, human lung tissue, K-562 cells
Positive IP detected in	HeLa cells
Positive IHC detected in	Human lung cancer tissue
Positive IF detected in	A549 cells
Recommended dilution:	WB: 1:200-1:2000 IP: 1:200-1:1000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2676
GenBank accession number:	BC010703
Gene ID (NCBI):	2040
Full name:	Stomatin

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

with HeLa cells lysate 2800ug.