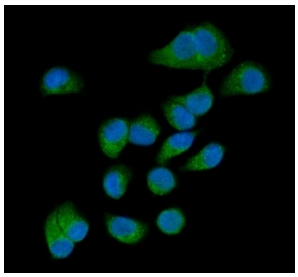
GP78 Antibody / AMFR (R32507)

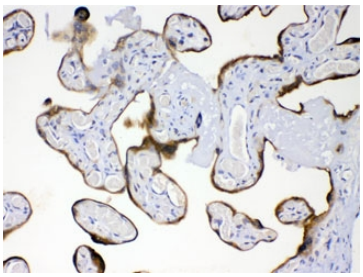
Catalog No.	Formulation	Size
R32507	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

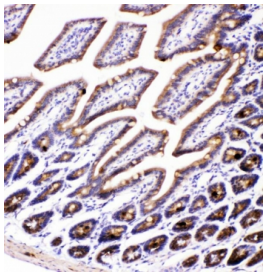
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9UKV5
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Flow cytometry: 1-3ug/million cells Immunofluorescence: 5ug/ml
Limitations	This GP78 antibody is available for research use only.



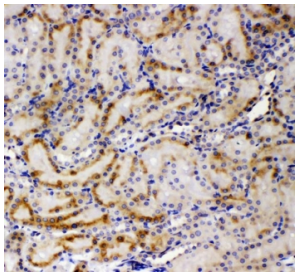
Immunofluorescent staining of FFPE human T-47D cells with GP78 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



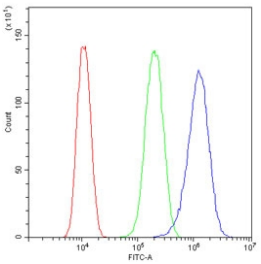
IHC testing of FFPE human placenta with GP78 antibody at 1ug/ml. HIER: steam sections in pH6 citrate buffer for 20 min.



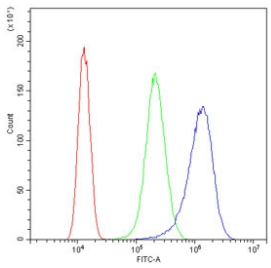
IHC staining of FFPE mouse intestine with GP78 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



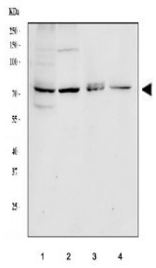
IHC staining of FFPE rat kidney with GP78 antibody. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 20 min and allow to cool before testing.



Flow cytometry testing of human U-87 MG cells with GP78 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GP78 antibody.



Flow cytometry testing of human SiHa cells with GP78 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= GP78 antibody.



Western blot testing of 1) human HepG2, 2) human HeLa, 3) human Daudi and 4) rat kidney lysate with GP78 antibody at 0.5ug/ml. Expected molecular weight 73-78 kDa.

Description

Autocrine motility factor receptor, isoform 2, also called GP78, is a protein that in humans is encoded by the AMFR gene. Autocrine motility factor is a tumor motility-stimulating protein secreted by tumor cells. The protein encoded by this gene is a glycosylated transmembrane protein and a receptor for autocrine motility factor. The receptor, which shows some sequence similarity to tumor protein p53, is localized to the leading and trailing edges of carcinoma cells. Its ligand, autocrine motility factor, is a tumor motility-stimulating protein secreted by tumor cells. The encoded receptor is also a member of the E3 ubiquitin ligase family of proteins. It catalyzes ubiquitination and endoplasmic reticulum-associated degradation of specific proteins.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the GP78 antibody to be titrated for optimal performance.

Immunogen

Amino acids E553-S643 from the human protein were used as the immunogen for the GP78 antibody.

Storage

After reconstitution, the GP78 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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