For Research Use Only

AMFR/GP78 Polyclonal antibody

Catalog Number:16675-1-AP Featured Product 27 Publications

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Basic Information

Catalog Number:
16675-1-AP

Size:
700 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG10178

GenBank Accession Number:
BC069197

GeneID (NCBI):
267

UNIPROT ID:
Q9UKV5

Full Name:
autocrine motility factor receptor

Calculated MW:
643 aa, 73 kDa

Observed MW:
73 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC 1:200-1:800
IF 1:10-1:100

Applications

Tested Applications:
WB,IP,IHC,IF/ICC,FC,ELISA

Cited Applications:
WB, IP, IF, IHC, CoIP

Species Specificity:
human, mouse, rat

Cited Species:
human, rat, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : 37°C incubated HepG2 cells, HepG2 cells, MCF-7 cells

IP : MCF-7 cells,

IHC : mouse ovary tissue, human kidney tissue

IF : HepG2 cells,

Background Information

AMFR(Autocrine motility factor receptor) is also named as RNF45,gp78.It is the receptor of Autocrine motility factor(AMF),which is a protein secreted by tumor cells that stimulates tumor motility. AMFR has a potential N-glycosylation site, and several potential O-glycosylation sites(PMID:10456327).In normal fibroblasts,the expression of AMFR appeared to be regulated by cell-cell contact(PMID:7626106).

Notable Publications

Author	Pubmed ID	Journal	Application
Yuehong Wang	32918657	Cardiovasc Drugs Ther	WB
Parsa Alan	36284011	Cell Mol Life Sci	WB
Yalcin Erzurumlu	36445513	Mol Biol Rep	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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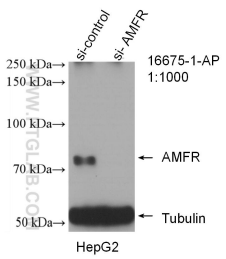
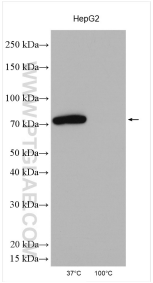
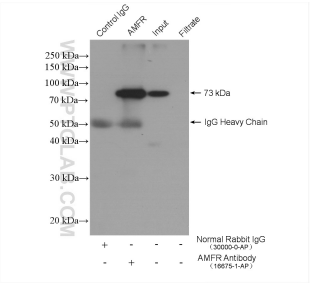
Selected Validation Data



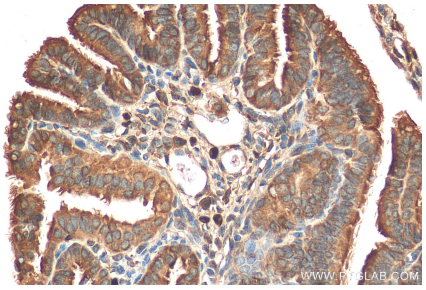
WB result of AMFR antibody (16675-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AMFR transfected HepG2 cells.



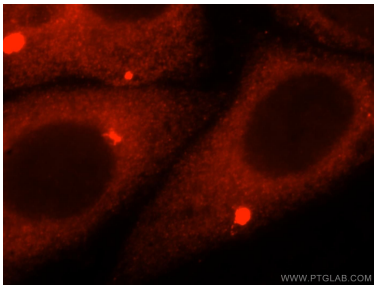
HepG2 lysates were subjected to SDS PAGE followed by western blot with 16675-1-AP (AMFR antibody) at dilution of 1:4000 incubated at 37℃ and 100℃ for 1.5 hours.



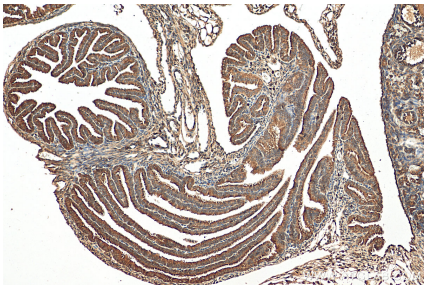
IP result of anti-AMFR/GP78 (IP:16675-1-AP, 4ug; Detection:16675-1-AP 1:300) with MCF-7 cells lysate 2400 ug.



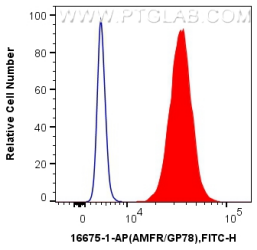
Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 16675-1-AP (AMFR/GP78 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HepG2 cells, using AMFR antibody 16675-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical analysis of paraffin-embedded mouse ovary tissue slide using 16675-1-AP (AMFR/GP78 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10^6 HepG2 cells were intracellularly stained with 0.4 ug Anti-Human AMFR/GP78 (16675-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP, Clone:) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).