Product Datasheet

Alpha-1 acid glycoprotein Antibody

Catalog No: #48525

Package Size: #48525-1 50ul #48525-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

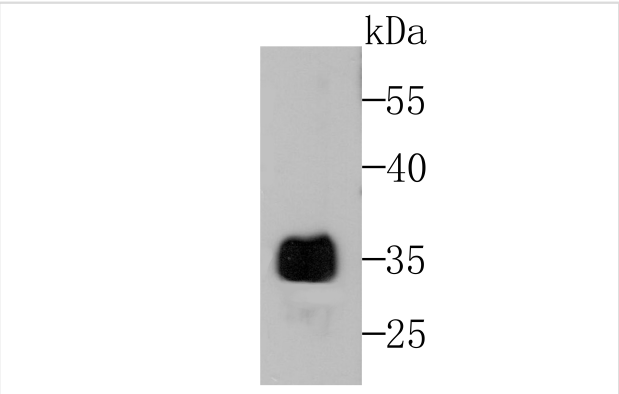
Description

Product Name	Alpha-1 acid glycoprotein Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Protein affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	A1AG1_HUMAN antibody AGP 1 antibody AGP A antibody AGP antibody AGP1 antibody Alpha 1 acid glycoprotein antibody Alpha-1-acid glycoprotein 1 antibody alpha-1-AGP antibody Epididymis secretory sperm binding protein Li 153w antibody glycoprotein, alpha-1-acid, of serum antibody HEL S 153w antibody OMD 1 antibody ORM antibody ORM1 antibody Orosomucoid 1 antibody Orosomucoid-1 antibody
Accession No.	Swiss-Prot#:P02763
Uniprot	P02763
GeneID	5004;
Calculated MW	35 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

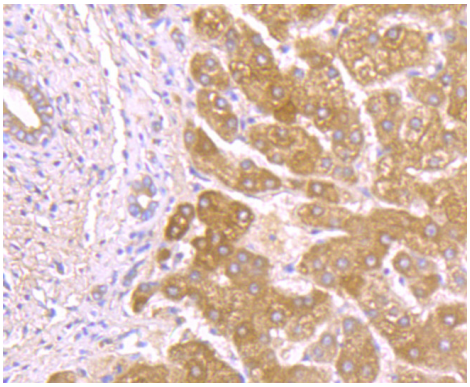
Application Details

WB: 1:500-1:2000 IHC: 1:50-1:200FC: 1:50-1:100

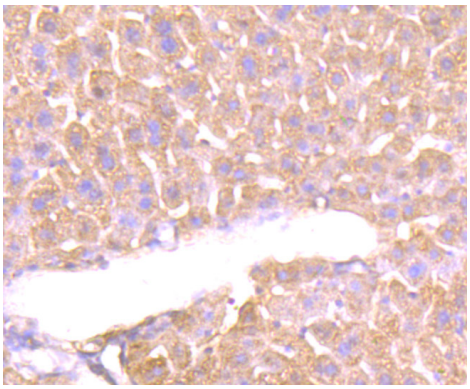
Images



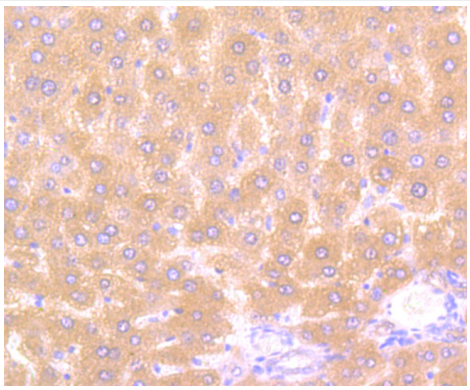
Western blot analysis of Alpha-1 Acid Glycoprotein on human liver tissue lysates using anti-Alpha-1 acid glycoprotein antibody at 1/500 dilution.



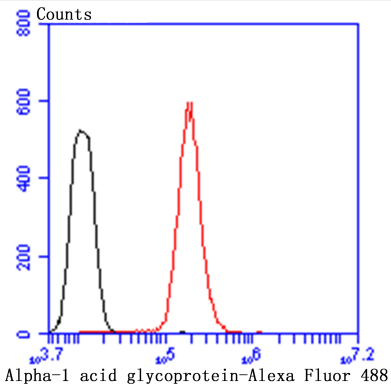
Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-Alpha-1 Acid Glycoprotein antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-Alpha-1 Acid Glycoprotein antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat liver tissue using anti-Alpha-1 Acid Glycoprotein antibody. Counter stained with hematoxylin.



Flow cytometric analysis of HepG2 cells with Alpha-1 Acid Glycoprotein antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

AGP (α1-acid glycoprotein) is an acute phase plasma protein synthesized by the liver. It functions to regulate the interaction between blood cells and endothelial cells, and together with haptoglobin and C reactive protein, it also mediates the extravasation of cells during infection and inflammation. Expression of AGP is induced by acute-phase stimulatory agents such as bacterial lipopolysaccharides. AGP has a high affinity, low capacity binding for basic drugs at physiological pH. In human plasma, AGP is found at levels of 0.5-1.4 mg/ml, though this is elevated during acute inflammation, and, as a result, levels of this protein can be used to diagnose inflammatory conditions. AGP-1 and AGP-2 contain five and six potential N-glycosylation sites, respectively. Abnormal expression of the APG-1 gene is linked to sarcoidosis and other immunogenetic diseases, while mutations in the APG-2 gene are associated with different types of carcinomas.

References

Note: This product is for in vitro research use only