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Anti-Orosomucoid 2 Antibody

Catalog # AP51722

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P19652
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	23603

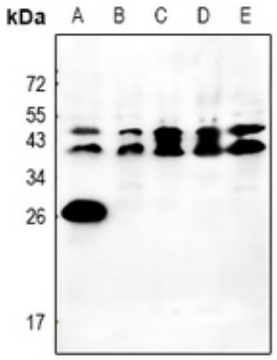
Additional Information

Gene ID	5005
Other Names	AGP2; Alpha-1-acid glycoprotein 2; AGP 2; Orosomucoid-2; OMD 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Orosomucoid 2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

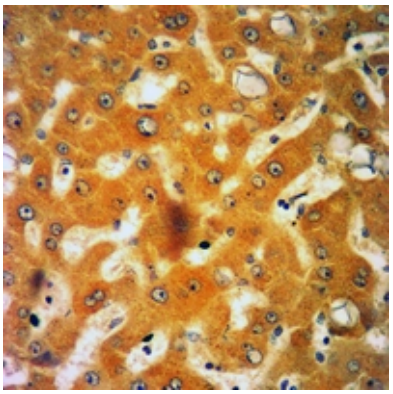
Protein Information

Name	ORM2
Synonyms	AGP2
Function	Functions as a transport protein in the blood stream. Binds various hydrophobic ligands in the interior of its beta-barrel domain. Also binds synthetic drugs and influences their distribution and availability. Appears to function in modulating the activity of the immune system during the acute-phase reaction.
Cellular Location	Secreted.
Tissue Location	Expressed by the liver and secreted in plasma.

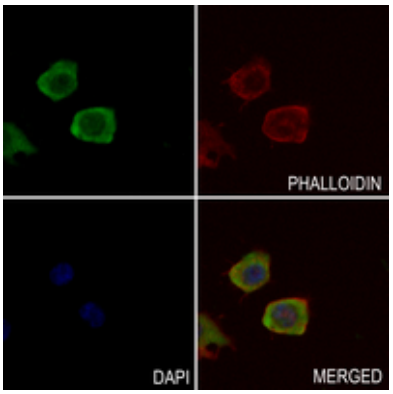
Images



Western blot analysis of Orosomucoid 2 expression in mouse liver (A), HepG2 (B), HEK293T (C), EC9706 (D), PC12 (E) whole cell lysates. (Predicted band size: 23 kD; Observed band size: 26; 43; 45 kD)



Immunohistochemical analysis of Orosomucoid 2 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Orosomucoid 2 staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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