

Anti-AGP1/alpha 1 acid glycoprotein Picoband Antibody

Catalog # ABO12641

Product Information

Application	WB, IHC-P, E
Primary Accession	P02763
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Alpha-1-acid glycoprotein 1(ORM1) detection. Tested with WB, IHC-P, ELISA in Human;Mouse;Rat.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	5004
Other Names	Alpha-1-acid glycoprotein 1, AGP 1, Orosomucoid-1, OMD 1, ORM1, AGP1
Calculated MW	23540
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat ELISA , 0.1-0.5 µg/ml, Human, - Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat
Subcellular Localization	Secreted.
Tissue Specificity	Expressed by the liver and secreted in plasma.
Source	Eukaryota
Protein Name	Alpha-1-acid glycoprotein 1
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E. coli-derived human ORM1 recombinant protein (Position: Q19-S201). Human ORM1 shares 47.5% and 48.1% amino acid (aa) sequence identity with mouse and rat ORM1, respectively.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
----------------	--

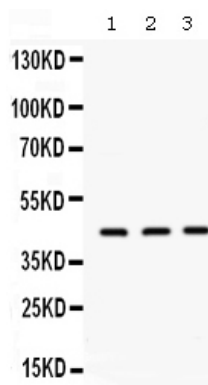
Protein Information

Name	ORM1
Synonyms	AGP1
Function	Functions as a transport protein in the blood stream. Binds various ligands in the interior of its beta-barrel domain. Also binds synthetic drugs and influences their distribution and availability in the body. 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.

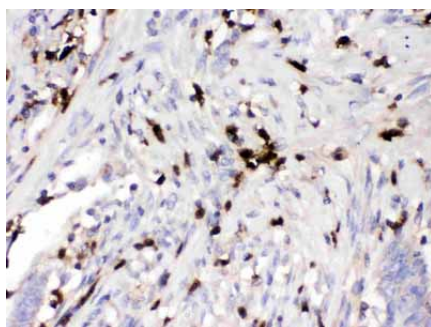
Background

Alpha-1-acid glycoprotein 1 is a protein that in humans is encoded by the ORM1 gene. The structural gene for orosomucoid (ORM1) is assigned to the end of the long arm of chromosome 9 by demonstration of linkage to ABO and AK1. This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression.

Images



Western blot analysis of ORM1 expression in rat liver extract (lane 1), mouse liver extract (lane 2) and PANC whole cell lysates (lane 3). ORM1 at 45KD was detected using rabbit anti-ORM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12641) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method.



ORM1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- ORM1 Antigen Affinity purified polyclonal antibody (Catalog # ABO12641) at 1 µg/mL. The immunohistochemical section was developed using SABC method.