Datasheet for ABIN4886686

anti-ORM1 antibody (AA 19-201)

2 Images

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Overview

Quantity:	100 µg
Target:	ORM1
Binding Specificity:	AA 19-201
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ORM1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Purpose:	Anti-Alpha 1 Acid Glycoprotein/ORM1 Antibody Picoband®
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.
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins
Characteristics:	Anti-Alpha 1 Acid Glycoprotein/ORM1 Antibody Picoband® (ABIN4886686). Tested in ELISA, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	ORM1
Alternative Name:	ORM1 (ORM1 Products)
Background:	Synonyms: Alpha-1-acid glycoprotein 1,AGP 1,Orosomucoid-1,OMD 1,ORM1,AGP1, Tissue Specificity: 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.
Molecular Weight:	40-47 kDa
Gene ID:	5004
UniProt:	P02763
Pathways:	Response to Growth Hormone Stimulus

Application Details

Application Notes:	Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - Western blot, 0.1-0.5 µg/mL, Human, Mouse, Rat 1. "Entrez Gene: ORM1 orosomucoid 1". 2. Boncela, J, Papiewska I, Fijalkowska I, Walkowiak B, Cierniewski C S (Sep 2001). "Acute phase protein alpha 1-acid glycoprotein interacts with plasminogen activator inhibitor type 1 and stabilizes its inhibitory activity". J. Biol. Chem. (United States) 276 (38): 35305-11. 3. Eiberg, H., Mohr, J., Nielsen, L. S. Linkage of orosomucoid (ORM) to ABO and AK1. (Abstract) Cytogenet. Cell Genet. 32: 272 only, 1982.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

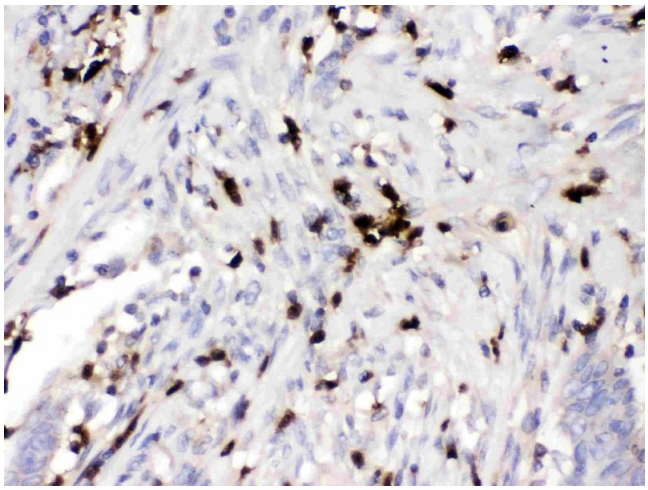
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

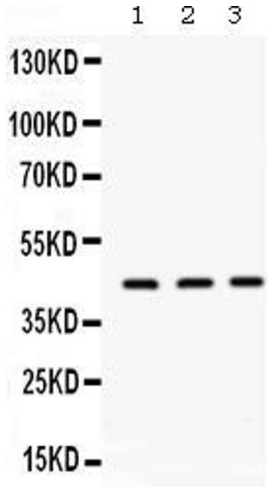
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. ORM1 was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- ORM1 Antigen Affinity purified polyclonal antibody (Catalog #) at 1 ??g/mL. The immunohistochemical section was developed using SABC method (Catalog # SA1022).



Western Blotting

Image 2. 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 #) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).