Best Tools for immunology Research

Macroglobulin α-2 Polyclonal Antibody

Catalog No :	YT5368
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	Macroglobulin α-2
Fields :	>>Complement and coagulation cascades
Gene Name :	A2M
Protein Name :	Alpha-2-macroglobulin
Human Gene Id :	2
Human Swiss Prot No :	P01023
Immunogen :	The antiserum was produced against synthesized peptide derived from the Internal region of human A2M. AA range:871-920
Specificity :	Macroglobulin α-2 Polyclonal Antibody detects endogenous levels of Macroglobulin α-2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC: 1:100-1:300. ELISA: 1:20000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	170kD

Cell Pathway : Complement and coagulation cascades;

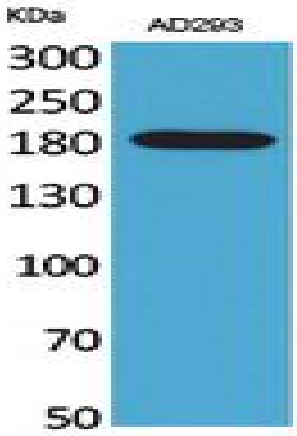
Background : Alpha-2-macroglobulin is a protease inhibitor and cytokine transporter. It inhibits many proteases, including trypsin, thrombin and collagenase. A2M is implicated in Alzheimer disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. [provided by RefSeq, Jul 2008],

Function : developmental stage:Contrary to the rat protein, which is an acute phase protein, this protein is always present at high levels in circulation.,function:Is able to inhibit all four classes of proteinases by a unique 'trapping' mechanism. This protein has a peptide stretch, called the 'bait region' which contains specific cleavage sites for different proteinases. When a proteinase cleaves the bait region, a conformational change is induced in the protein which traps the proteinase. The entrapped enzyme remains active against low molecular weight substrates (activity against high molecular weight substrates is greatly reduced). Following cleavage in the bait region a thioester bond is hydrolyzed and mediates the covalent binding of the protein to the proteinase.,online information:Alpha-2 macroglobulin entry,similarity:Belongs to the protease inhibitor I39 (alpha-2-macroglobulin) family.,s

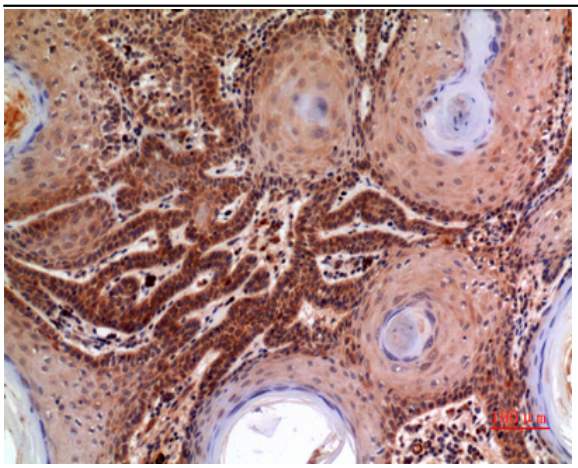
Subcellular Location : Secreted .

Expression : Secreted in plasma.

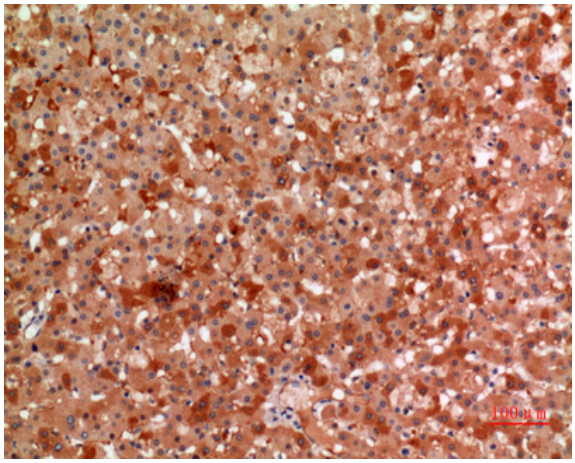
Products Images



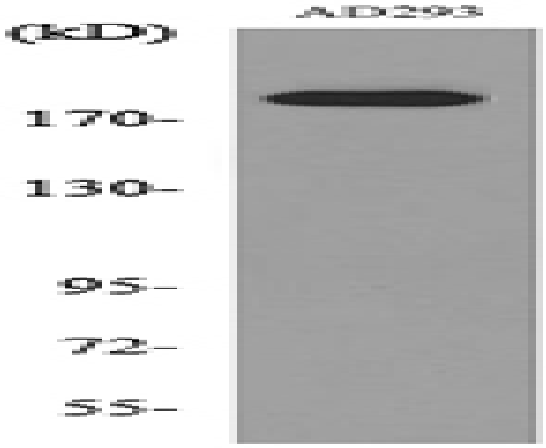
Western Blot analysis of AD293 cells using Macroglobulin α-2 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded human-skin, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:100



Western blot analysis of lysate from AD293 cells, using A2M Antibody.