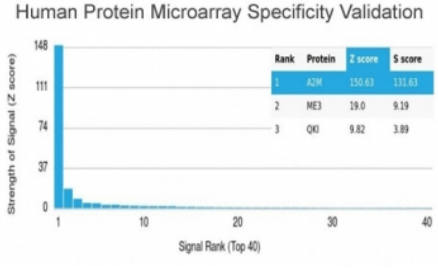
Alpha-2-M Antibody / Alpha-2-Macroglobulin / A2M [clone A2M/3622] (V9469)

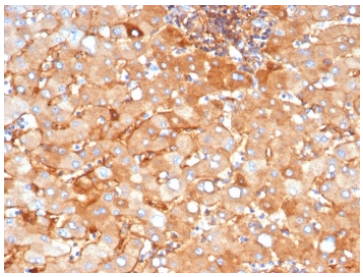
Catalog No.	Formulation	Size
V9469-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9469-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9469SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	A2M/3622
Purity	Protein A/G affinity
UniProt	P01023
Localization	Secreted in plasma
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This Alpha-2-M antibody is available for research use only.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Alpha-2-M antibody (clone A2M/3622). These results demonstrate the foremost specificity of the A2M/3622 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



IHC staining of FFPE human liver tissue with Alpha-2-M antibody (clone A2M/3622). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

A2-Macroglobulin acts as an antiprotease and is able to inactivate an enormous variety of proteinases. It functions as an inhibitor of fibrinolysis by inhibiting plasmin and kallikrein. It functions as an inhibitor of coagulation by inhibiting thrombin. A2-macroglobulin may act as a carrier protein because it also binds to numerous growth factors and cytokines, such as platelet-derived growth factor, basic fibroblast growth factor, TGF-b, insulin, and IL-1b. [UniProt]

Application Notes

Optimal dilution of the Alpha-2-M antibody should be determined by the researcher.

Immunogen

A portin of amino acids 604-748 from the human protein was used as the immunogen for the Alpha-2-M antibody.

Storage

Aliquot the Alpha-2-M antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.