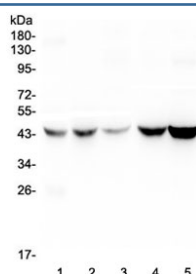


## Alpha 1 microglobulin Antibody / AMBP / Bikunin (RQ4535)

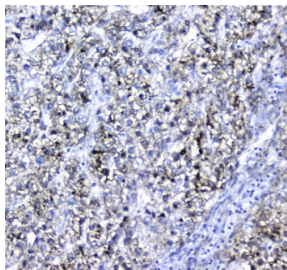
Catalog No.	Formulation	Size
RQ4535	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

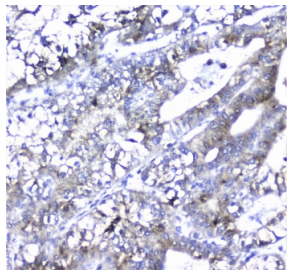
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
<b>UniProt</b>	P02760
<b>Localization</b>	Secreted
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml (human recombinant protein)
<b>Limitations</b>	This Alpha 1 microglobulin antibody is available for research use only.



Western blot testing of human 1) placenta, 2) HEp-2, 3) HeLa, 4) A549 and 5) PANC-1 lysate with Alpha 1 microglobulin antibody at 0.5ug/ml. Predicted molecular weight: 26-28 kDa (Alpha 1 microglobulin), ~39 kDa (uncleaved AMBP). These proteins may be observed at higher molecular weights due to glycosylation.



IHC staining of FFPE human liver cancer with Alpha 1 microglobulin antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min followed by cooling at RT for 20 min.



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## Description

Protein AMBP is a protein that in humans is encoded by the AMBP gene. This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct functioning proteins: alpha-1-microglobulin, which belongs to the superfamily of lipocalin transport proteins and may play a role in the regulation of inflammatory processes, and bikunin, which is a urinary trypsin inhibitor belonging to the superfamily of Kunitz-type protease inhibitors and plays an important role in many physiological and pathological processes. This gene is located on chromosome 9 in a cluster of lipocalin genes.

## Application Notes

Optimal dilution of the Alpha 1 microglobulin antibody should be determined by the researcher.

## Immunogen

Amino acids G20-V203 from the human protein were used as the immunogen for the Alpha 1 microglobulin antibody.

## Storage

After reconstitution, the Alpha 1 microglobulin antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.