AMBP (Alpha 1 Microglobulin) / Bikunin Antibody

Mouse Monoclonal Antibody [Clone AMBP/4536]

Catalog No	Format	Size
259-MSM6-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
259-MSM6-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
259-MSM6-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

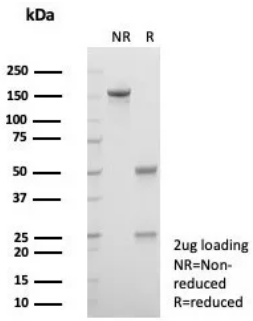
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

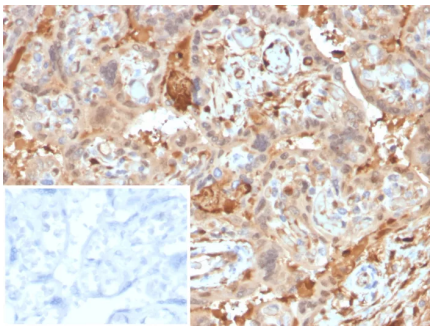
Clone	AMBP/4536
Gene Name	AMBP
Immunogen	Recombinant fragment (around aa200-353) of human AMBP protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	30kDa
Cellular Localization	Secreted.
Species Reactivity	Human
Positive Control	Human liver or placenta.

**Optimal dilution for a specific application should be determined.*

Product Images for AMBP (Alpha 1 Microglobulin) / Bikunin Antibody



SDS-PAGE Analysis of Purified AMBP Mouse Monoclonal Antibody (AMBP/4536) Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human placenta stained with AMBP Mouse Monoclonal Antibody (AMBP/4536). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

The AMBP (?-1-Microglobulin/Bikunin precursor) gene encodes a protein precursor, known as AMBP, that is cleaved to produce two distinct proteins, designated ?-1-Microglobulin and Bikunin. ?-1-Microglobulin, also known as protein HC, is a member of the lipocalin superfamily and is secreted mainly in plasma, urine and cerebrospinal fluid. Thought to have reductase/dehydrogenase activity, ?-1-Microglobulin exhibits immunosuppressive properties, such as cytokine secretion and inhibition of antigen-induced lymphocyte cell proliferation, and may be involved in the reduction of biological pro-oxidants. The second protein cleavage product, designated Bikunin and also known as inter-?-trypsin inhibitor light chain, ITI-LC or urinary trypsin inhibitor, is a widely expressed protein that is stored in the granules of human connective tissue mast cells. One of many proteins in the Kunitz-type protease inhibitor family, Bikunin prevents autodigestion by exocrine enzymes, such as trypsinogen and chymo-trypsinogen, and plays a role in the antiinflammatory/antiproteinase immune response. Unlike ?-1-Microglobulin, Bikunin is implicated in the pathogenesis of a number of renal diseases, such as urolithiasis.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.