

Product Name: KD-Validated AMBP Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01420**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 39.0kDa

Antigen Information

Gene Name	AMBP
Alternative Names	AMBP; Alpha-1-Microglobulin/Bikunin Precursor; HCP; Protein HC; IATIL; ITILC; EDC1; HI30; ITIL; UTI; Complex-Forming Glycoprotein Heterogeneous In Charge; Inter-Alpha-Trypsin Inhibitor Light Chain; Growth-Inhibiting Protein 19; Uronic-Acid-Rich Protein; Protein AMBP; Trypstatin; Uristatin; Bikunin; ITI; A1M
Gene ID	259.0
SwissProt ID	P02760
Immunogen	A synthesized peptide derived from human AMBP

Background

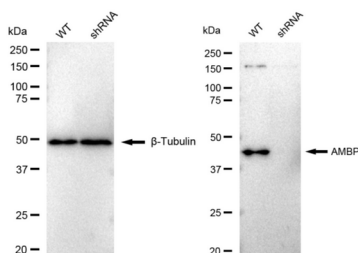
This gene encodes a complex glycoprotein secreted in plasma. The precursor is proteolytically processed into distinct

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. [provided by RefSeq, Jul 2008]

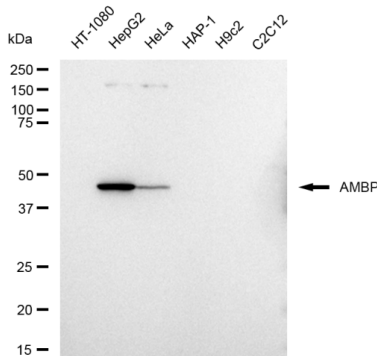
Research Area

Cancer

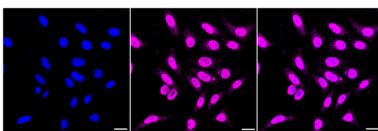
Image Data



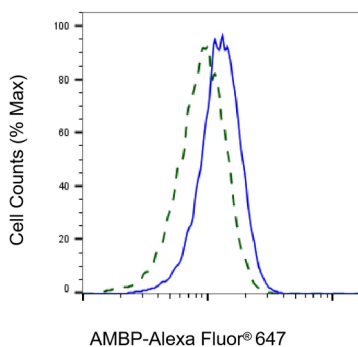
Western blotting analysis using AMBP antibody (KVA01420). AMBP expression in wild type (WT) and AMBP shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with AMBP antibody (KVA01420, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using AMBP antibody (KVA01420). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with AMBP antibody (KVA01420, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HepG2 cells with AMBP antibody (KVA01420, 1:1,000). Nuclei were stained blue with DAPI; AMBP was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: Medium. Scale bar: 20 µm.



Validation of AMBP knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with AMBP antibody (KVA01420, 1:2,000) and analyzed using BD flow cytometer.