abcam

Product datasheet

Anti-Alpha 1 microglobulin antibody ab54782

画像数 2

製品の概要

製品名	Anti-Alpha 1 microglobulin antibody
製品の詳細	Mouse monoclonal to Alpha 1 microglobulin
由来種	Mouse
アプリケーション	**適用あり:** WB, ICC/IF
種交差性	**交差種:** Human
免疫原	Recombinant full length protein, corresponding to amino acids 19-353 of Human Microglobulin (alpha 1)

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: None PBS, pH 7.2
精製度	Protein G purified
ポリ/モノ	モノクローナル
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab54782の使用に適用されます

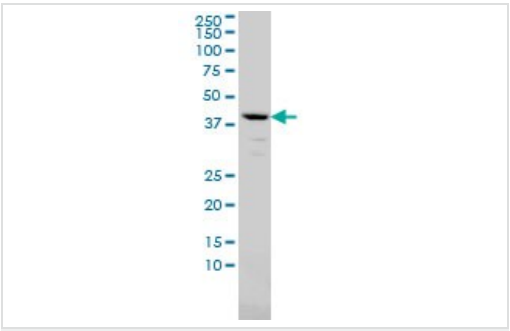
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 39 kDa.
ICC/IF		Use a concentration of 10 µg/ml.

ターゲット情報

機能	Inter-alpha-trypsin inhibitor inhibits trypsin, plasmin, and lysosomal granulocytic elastase. Inhibits calcium oxalate crystallization. Trypstatin is a trypsin inhibitor.
組織特異性	Expressed by the liver and secreted in plasma. Alpha-1-microglobulin occurs in many physiological fluids including plasma, urine, and cerebrospinal fluid. Inter-alpha-trypsin inhibitor is present in plasma and urine.
配列類似性	In the N-terminal section; belongs to the calycin superfamily. Lipocalin family. Contains 2 BPTI/Kunitz inhibitor domains.
翻訳後修飾	The precursor is proteolytically processed into separately functioning proteins. 3-hydroxykynurenine, an oxidized tryptophan metabolite that is common in biological fluids, reacts with Cys-53, Lys-111, Lys-137, and Lys-149 to form heterogeneous polycyclic chromophores including hydroxanthommatin. The reaction by alpha-1-microglobulin is autocatalytic; the human protein forms chromophore even when expressed in insect and bacterial cells. The chromophore can react with accessible cysteines forming non-reducible thioether cross-links with other molecules of alpha-1-microglobulin or with other proteins such as Ig alpha-1 chain C region 'Cys-352'. Heavy chains are interlinked with bikunin via a chondroitin 4-sulfate bridge to the their C-terminal aspartate. Addition of glycosaminoglycan chondroitin sulfate, allows cross-linking between the different components.
細胞内局在	Secreted.

画像



Western blot - Anti-Alpha 1 microglobulin antibody (ab54782)

Microglobulin (alpha 1) antibody (ab54782) at 1ug/lane + A-549 cell lysate at 25ug/lane.

Immunocytochemistry/ Immunofluorescence - Anti-Alpha 1 microglobulin antibody (ab54782)

ab54782 at 10 ug/ml staining Microglobulin (alpha 1) in human Hela cells by Immunocytochemistry / Immunofluorescence.

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