Datasheet for ABIN125988

anti-Keratin Basic antibody

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Overview

Quantity:	50 µg
Target:	Keratin Basic
Reactivity:	Human, Rat, Cow, Amphibian
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Cytoskeletal proteins from cultured Human MCF-7 cells
Clone:	Ks pan 1-8
Isotype:	IgG2a
Specificity:	This antibody represents an excellent marker for distinguishing carcinomas from non-epithelial tumors. Polypeptides Reacting: Mr 52 500-Mr 68 000 keratins (type II keratins K1-K8, formerly also designated Cytokeratins 1-8) of Human epithelial cells. Tumors Specifically Detected: All epithelium-derived neoplasms. Tested Reactivities on Cultured Cell Lines: MCF-7, RT 112, HT-29, Detroit 562, RPMI 2650, SSC-12, Bovine BMGE+H, BMGE-H, MDBK.
Cross-Reactivity (Details):	Species reactivity (tested):Human, Bovine, Rat, Amphibia.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	Keratin Basic
Abstract:	Keratin Basic Products
Background:	Cytokeratins are intermediate filament keratins found in the intracytoplasmic cytoskeleton of epithelial tissue There are two types of Cytokeratins: the low weight, acidic type I cytokeratins and the high weight, basic or neutral type II. Cytokeratins are usually found in pairs comprising a type I Cytokeratin and a type II cytokeratin. The high molecular weight cytokeratins, which are the basic or neutral cytokeratins, comprise subtypes CK1 (67), CK2 (65.5), CK3 (64), CK4 (59), CK5 (58), CK6 (56), CK7 (54), CK8 (52.5) and CK9. The low molecular weight cytokeratins, which are the acidic cytokeratins, comprise subtypes CK10 (56.5), CK12 (56), CK13 (53), CK14 (50), CK16(48), CK17 (46), CK18 (45), CK19(48) and CK20(46).

Application Details

Application Notes:	Immunoblotting. Immunofluorescence. Immunohistochemistry on frozen and cytological material: 1: 10, 1h at RT. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Restore in 1 mL distilled water
Buffer:	Final solution contains PBS, pH 7.4 with 0.09 % Sodium Azide as preservative and 0.5 % BSA as stabilizer
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	This product is photosensitive and should be protected from light
Storage:	4 °C
Storage Comment:	Prior to and following reconstitution store the antibody undiluted at 2-8 °C. DO NOT FREEZE!