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Datasheet for ABIN6937730 **anti-Keratin 7/17 antibody**

Overview

Quantity:	100 µg
Target:	Keratin 7/17 (KRT7/17)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 7/17 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Cytoskeletal preparation from HeLa cells (human cervical carcinoma cells)
Clone:	C-46
Isotype:	IgG1 kappa
Specificity:	It recognizes intermediate filament proteins (IFP's) of 55kDa and 46kDa, which are identified as cytokeratin 7 and Cytokeratin 17 respectively. On formalin-fixed, paraffin embedded sections, C-46 reacts with keratin 7 only. Cytokeratins comprise a diverse group of intermediate filament proteins (IFPs) that are expressed as pairs in both keratinized and non-keratinized epithelial tissue. Cytokeratins play a critical role in differentiation and tissue specialization and function to maintain the overall structural integrity of epithelial cells. Cytokeratins have been found to be useful markers of tissue differentiation, which is directly applicable to the characterization of malignant tumors. Cytokeratin 7 is a basic cytokeratin, which is found in most glandular and transitional epithelia but not in the stratified squamous epithelia. Cytokeratin 7 is expressed in

Product Details

	the epithelial cells of ovary, lung, and breast but not of colon, prostate, or gastrointestinal tract. Cytokeratin 17 is expressed in epithelial cells of various origins, such as bronchial epithelial cells and skin appendages. Cytokeratin 17 antibody marks basal cell differentiation.
No Cross-Reactivity:	Ferret, Mouse (Murine), Rabbit, Rat (Rattus)
Cross-Reactivity (Details):	Human. Cow. Does not react with Mouse, Rat, Ferret or Rabbit.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Keratin 7/17 (KRT7/17)
Alternative Name:	KRT7 & KRT17 (KRT7/17 Products)
Background:	CK-7, K2C7, Keratin 55K Type II Cytoskeletal, Keratin Simple Epithelial Type 1 K7, Keratin Type II Cytoskeletal 7, Krt2-7, KRT7, Sarcolectin, SCL, Type II Mesothelial Keratin K7, Type-II Keratin Kb7, CK17, K17, Keratin Type I Cytoskeletal 17, Keratin-17, KRT17, PCHC1, Cytokeratin 7/17 Cellular localisation: Cytoplasmic
Molecular Weight:	55kDa (CK7), 46kDa (CK17)
Gene ID:	3855, 3872, 411501
UniProt:	P08729 , Q04695

Application Details

Application Notes:	Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: HeLa or ME-180 cells. Skin or hepatocellular carcinoma.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free

Handling

Storage:	-20 °C,-80 °C
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Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
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Expiry Date:	24 months
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