

Datasheet for ABIN6937637 **anti-KRT antibody**



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Overview

Quantity:	100 µg
Target:	KRT (KRT126P)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KRT antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Human epidermal keratins
Clone:	Cocktail PAN-CK
Isotype:	IgG1 kappa
Specificity:	Twenty human keratins are resolved with two-dimensional gel electrophoresis into acidic (pI 6.0) subfamilies. This antibody cocktail recognizes acidic (Type I or LMW) and basic (Type II or HMW) cytokeratins, with 67 kDa (CK1), 64 kDa (CK3), 59 kDa (CK4), 58 kDa (CK5), 56 kDa (CK6), 55 kDa (CK7), 52 kDa (CK8), 56.5 kDa (CK10), 53 kDa (CK13), 50 kDa (CK14), 50 kDa (CK15), 48 kDa (CK16), 46 kDa (CK17), 45 kDa (CK18) and 40 kDa (CK19). Many studies have shown the usefulness of keratins as markers in cancer research and tumor diagnosis. KRT-PAN is a broad-spectrum anti pan-cytokeratin antibody cocktail, which differentiates epithelial tumors from non-epithelial tumors e.g. squamous vs. adenocarcinoma of the lung, liver carcinoma, breast cancer, and esophageal cancer. It is useful in characterizing the source of various

Product Details

neoplasms and to study the distribution of cytokeratin containing cells in epithelia during normal development and during the development of epithelial neoplasms. This antibody stains cytokeratins present in normal and abnormal human tissues and shows high sensitivity in the recognition of epithelial cells and carcinomas.

Cross-Reactivity (Details): Human, Monkey, Cow, Dog, Rabbit, Mouse, Rat, Cat and Chicken.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: KRT (KRT126P)

Alternative Name: KRT ([KRT126P Products](#))

Background: K1B, KRT1B, Keratin, type II cytoskeletal 1b, K77, CK-1B, Keratin 1B, Keratin-77, Cytokeratin-1B, Type-II Keratin Kb39,Cytokeratin, pan (Epithelial Marker)
Cellular localisation: Cytoplasmic

Molecular Weight: 40-67kDa (Multiple)

Application Details

Application Notes: Known_Application: Flow Cytometry (0.5-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (0.5-2 µg/mL for 2 hours at RT),Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes 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, MCF-7, Skin, Adeno- or Squamous carcinomas

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C,-80 °C

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

Expiry Date: 24 months