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Datasheet for ABIN7126611 **anti-Keratin 3 antibody**

Overview

Quantity:	100 µg
Target:	Keratin 3 (KRT3)
Reactivity:	Rabbit
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Keratin 3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Tissue, cells or virus corresponding to Rabbit Cytokeratin 3/CK-3. Rabbit corneal epithelial keratin.
Isotype:	IgG1
Specificity:	<p>The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins, which are arranged in pairs of heterotypic keratin chains co-expressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the corneal epithelium with family member KRT12 and mutations in these genes have been associated with Meesmann's Corneal Dystrophy. KRT3/2542 recognizes the 64kD polypeptide/keratin K3 (cytokeratin 3) of rabbit corneal epithelium and keratin K76 (cytokeratin K2p) of palate epithelium. As such represents an excellent marker for studying corneal epithelial-type differentiation. Also recognizes bovine snout and lip epithelium, as well as a rabbit corneal cell line.</p>
Cross-Reactivity (Details):	Human, rabbit and bovine.

Product Details

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

Target Details

Target:	Keratin 3 (KRT3)
Alternative Name:	KRT3 (KRT3 Products)
Background:	65 KDa Cytokeratin, CK3, CK-3, cytokeratin-3, Keratin, keratin 3, Keratin, Type II Cytoskeletal 3, Keratin-3, Type II Cytoskeletal 3, Type-II keratin Kb3,Cytokeratin 3 (KRT3) (Corneal Epithelial Marker) Cellular localisation: Cytoplasmic
Molecular Weight:	65kDa
Gene ID:	38550, 680652
UniProt:	P12035

Application Details

Application Notes: Known_Application: Western Blot (1-2 µg/mL), ,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: A431 cells. Human cornea.

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