

Cytokeratin 3 Antibody [clone KRT3/2542] (V8735)

Catalog No.	Formulation	Size
V8735-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8735-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8735SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	KRT3/2542
Purity	Protein G affinity chromatography
UniProt	P12035
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This Cytokeratin 3 antibody is available for research use only.



Description

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 Meesmanns 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.

Application Notes

Optimal dilution of the Cytokeratin 3 antibody should be determined by the researcher.

Immunogen

Rabbit corneal epithelial keratin was used as the immunogen for the Cytokeratin 3 antibody.

Storage

Store the Cytokeratin 3 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).