

Product datasheet for **BM563**

KRT13 Mouse Monoclonal Antibody [Clone ID: Ks13.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	Ks13.1
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot. Immunofluorescence. Immunohistochemistry on Frozen Sections. Immunohistochemistry on Paraffin Sections: 1/10. Protease pretreatment improves the performance of this excellent marker in immunohistochemistry with PBS, pH 7.4 <i>Incubation time:</i> 1h at RT, extended with parafin.
Reactivity:	Bovine, Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Keratin K13 of Mr 54.000 purified from human esophagus.
Specificity:	Ks 13.1 represents an excellent marker to discriminate non-cornified squamous epithelia from those of different origin. Polypeptide reacting: Mr 54 000 polypeptide human keratin K13 (formerly designated cytokeratin13; with minor affinity to keratins K14, Mr 50 000, and K16, Mr 48 000). Tumors specifically detected: several squamous cell carcinomas, e.g. cervix carcinoma; transitional cell carcinoma of the bladder; craniopharyngioma.
Formulation:	PBS, pH 7.4 State: Purified State: Lyophilized purified IgG fraction Stabilizer: 0.5% BSA Preservative: 0.09% Sodium Azide
Reconstitution Method:	Restore in 1 ml dist. water.
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated



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Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	keratin 13
Database Link:	Entrez Gene 3860 Human P13646
Background:	Cytokeratin 13 is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. This type I cytokeratin is paired with keratin 4 and expressed in the suprabasal layers of non-cornified stratified epithelia. Mutations in this gene and keratin 4 have been associated with the autosomal dominant disorder White Sponge Nevus.
Synonyms:	CK-13, CK13, Keratin-13, KRT13, K13, KRT-13