

Polyclonal Antibody to Cytokeratin 13 (Isoform A) (C-term) - Aff - Purified

Alternate names:	CK-13, CK13, K13, KRT-13, KRT13, Keratin type I cytoskeletal 13, Keratin-13
Catalog No.:	TA305710
Quantity:	0.1 mg
Concentration:	0,5 mg/ml
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.
Uniprot ID:	P13646
NCBI:	9606
GeneID:	3860
Host:	Goat
Immunogen:	Peptide with sequence C-TSNASGRRTSDVRRP, from the C Terminus of the protein sequence
Format:	State: Liquid purified Ig Purification: Affinity chromatography Buffer System: Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin
Applications:	Peptide ELISA: 1/128000. Western blot: Approx. 55kDa band observed in Human Lung, Skeletal Muscle and Skin lysates (calculated MW of 49.6kDa according to NP_705694.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Sajjan, Microbiology. 2003 Apr;149(Pt 4):961-71.; PMID: 12686638). Recommended concentration: 0.1 - 0.3 µg/ml. Immunohistochemistry on paraffin sections: Human Tonsil shows strong layered, filamentous staining. Recommended concentration: 2 - 4 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to KRT13. This antibody is expected to recognize the reported isoform a only. Species: Human. Other species not tested.

- Storage:** Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
- General Readings:** Matta H, Mazzacurati L, Schamus S, Yang T, Sun Q, Chaudhary PM. Kaposi's sarcoma-associated herpesvirus (KSHV) oncoprotein K13 bypasses TRAFs and directly interacts with the IκappaB kinase complex to selectively activate NFkappaB without JNK activation. J Biol Chem. 2007 Aug 24;282(34):24858-65.
- Pictures:** TA305710 (0.1ug/ml) staining of Human Lung lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

