

## Cytokeratin 13 Polyclonal Antibody

<b>Catalog No :</b>	YT1260
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;IHC;IF;ELISA
<b>Target :</b>	Cytokeratin 13
<b>Fields :</b>	>>Estrogen signaling pathway;>>Staphylococcus aureus infection
<b>Gene Name :</b>	KRT13
<b>Protein Name :</b>	Keratin type I cytoskeletal 13
<b>Human Gene Id :</b>	3860
<b>Human Swiss Prot No :</b>	P13646
<b>Mouse Gene Id :</b>	16663
<b>Mouse Swiss Prot No :</b>	P08730
<b>Rat Gene Id :</b>	287699
<b>Rat Swiss Prot No :</b>	Q6IFV4
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human Cytokeratin 13. AA range:233-282
<b>Specificity :</b>	Cytokeratin 13 Polyclonal Antibody detects endogenous levels of Cytokeratin 13 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:5000.. IF 1:50-200

**Purification :** The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

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**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 52kD

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**Background :** The protein encoded by this gene 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. The type I cytokeratins are clustered in a region of chromosome 17q21.2. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been described. [provided by RefSeq, Jul 2008],

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**Function :** disease:Defects in KRT13 are a cause of white sponge nevus of cannon (WSN) [MIM:193900]. WSN is a rare autosomal dominant disorder which predominantly affects non-cornified stratified squamous epithelia. Clinically, it is characterized by the presence of soft, white, and spongy plaques in the oral mucosa. The characteristic histopathologic features are epithelial thickening, parakeratosis, and vacuolization of the suprabasal layer of oral epithelial keratinocytes. Less frequently the mucous membranes of the nose, esophagus, genitalia and rectum are involved.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin: I (acidic; 40-55 kDa) and II (neutral to basic; 56-70 kDa).,online information:Keratin-13 entry,PTM:O-glycosylated; glycans consist of single N-acetylglucosamine residues.,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two

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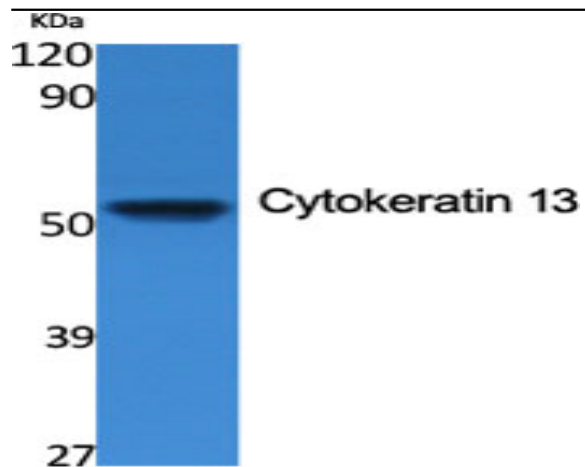
**Subcellular Location :** nucleus,intermediate filament,keratin filament,intermediate filament cytoskeleton,extracellular exosome,

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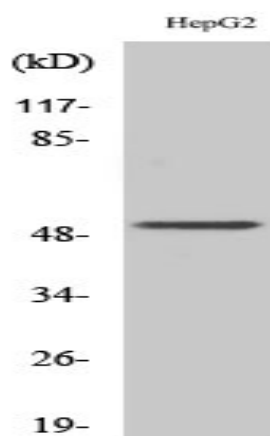
**Expression :** Expressed in some epidermal sweat gland ducts (at protein level) and in exocervix, esophagus and placenta.

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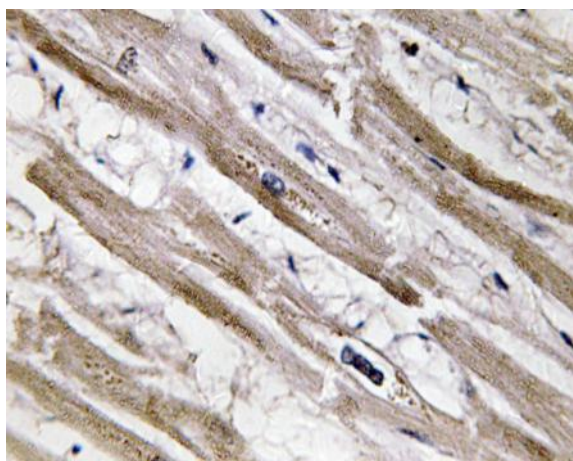
## Products Images



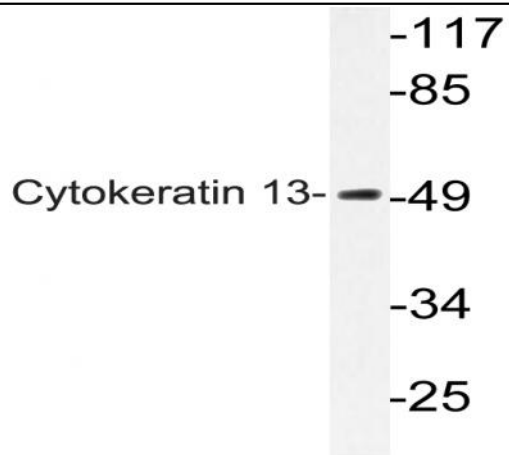
Western Blot analysis of various cells using Cytokeratin 13 Polyclonal Antibody



Western Blot analysis of HepG2 cells using Cytokeratin 13 Polyclonal Antibody



Immunohistochemistry analysis of Cytokeratin 13 antibody in paraffin-embedded human heart tissue.



Western blot analysis of lysate from HepG2 cells, using Cytokeratin 13 antibody.