

Cytokeratin 16 rabbit pAb**Cat#: orb765001 (Manual)**

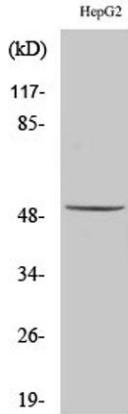
For research use only. Not intended for diagnostic use.

Product Name	Cytokeratin 16 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Keratin 16. AA range:421-470
Specificity	Cytokeratin 16 Polyclonal Antibody detects endogenous levels of Cytokeratin 16 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Keratin type I cytoskeletal 16
Gene Name	KRT16
Cellular localization	nucleus,cytoskeleton,intermediate filament,extracellular exosome,
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

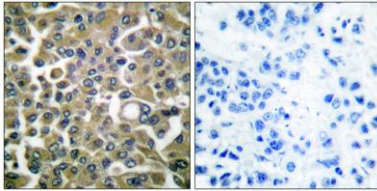
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	3868
Human Swiss-Prot Number	P08779
Alternative Names	KRT16; KRT16A; Keratin; type I cytoskeletal 16; Cytokeratin-16; CK-16; Keratin-16; K16

Background

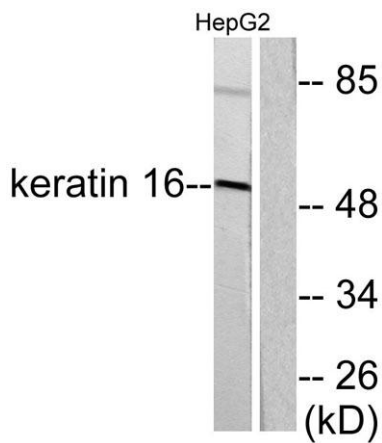
The protein encoded by this gene is a member of the keratin gene family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. Most of the type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains and are clustered in a region of chromosome 17q12-q21. This keratin has been coexpressed with keratin 14 in a number of epithelial tissues, including esophagus, tongue, and hair follicles. Mutations in this gene are associated with type I pachyonychia congenita, non-epidermolytic palmoplantar keratoderma and unilateral palmoplantar verrucous nevus. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using Cytokeratin 16 Polyclonal Antibody



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using Keratin 16 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using Keratin 16 Antibody. The lane on the right is blocked with the synthesized peptide.