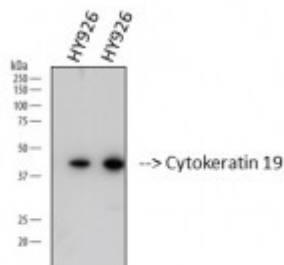


Anti-Cytokeratin 19 antibody



Western Blot (WB) analysis of HY926 using Cytokeratin 19 Polyclonal Antibody from two batches. (STJ92634)



Description

Cytokeratin 19 is a protein encoded by the KRT19 gene which is approximately 44,1 kDa. Cytokeratin 19 is localised to the cytosol. It is involved in cytoskeletal signalling, developmental biology and keratinization. This protein falls under the keratin family and consists of acidic proteins which are arranged in pairs of heterotypic keratin chains. It plays a role in the organization of myofibers and together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle. Cytokeratin 19 is expressed in basal keratinocytes in the deep outer root sheath of hair follicles. Mutations in the KRT19 gene may result in lung cancer and thyroid cancer. STJ92634 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. This polyclonal antibody detects endogenous levels of Cytokeratin 19 protein.

Model	STJ92634
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human Cytokeratin 19
Immunogen Region	200-280 aa, Internal
Gene ID	3880
Gene Symbol	KRT19
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:10000
Specificity	Cytokeratin 19 Polyclonal Antibody detects endogenous levels of Cytokeratin

19 protein.

Tissue Specificity	Expressed in a defined zone of basal keratinocytes in the deep outer root sheath of hair follicles. Also observed in sweat gland and mammary gland ductal and secretory cells, bile ducts, gastrointestinal tract, bladder urothelium, oral epithelia, esophagus, ectocervical epithelium (at protein level). Expressed in epidermal basal cells, in nipple epidermis and a defined region of the hair follicle. Also seen in a subset of vascular wall cells in both the veins and artery of human umbilical cord, and in umbi
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Keratin, type I cytoskeletal 19 Cytokeratin-19 CK-19 Keratin-19 K19
Molecular Weight	45 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:6436OMIM:148020
Alternative Names	Keratin, type I cytoskeletal 19 Cytokeratin-19 CK-19 Keratin-19 K19
Function	Involved in the organization of myofibers. Together with KRT8, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Sequence and Domain Family	This keratin differs from all other IF proteins in lacking the C-terminal tail domain.