OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA354929

Cytokeratin 18 (KRT18) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide surrounding to the epitope -SAASVYA- without phosphorylation site at Serine 33 of Cytokeratin 18 protein from human origin. It is identical among human, mouse, rat, etc.
Formulation:	This affinity purified antibody is supplied in sterile Tris-buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~48 kDa
Gene Name:	keratin 18
Database Link:	NP_000215 Entrez Gene 3875 Human P05783

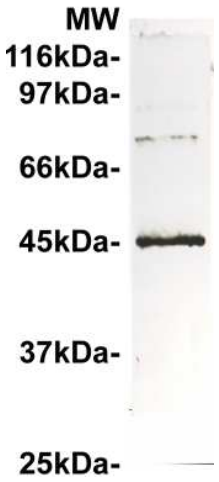
View online »

Background: Keratin polypeptides 8 (basic keratin) and 18 (acidic keratin) exist in combination as K8/K18 which are the cytoskeletal intermediate filament proteins of hepatocytes while K8/K18/K19 are the keratins of hepatobiliary ductal cells. Hepatocyte K8/K18 are highly abundant and behave as stress proteins with injury-inducible expression. K8 and K18 are cytoprotective stress proteins that play a central role in guarding hepatocytes from apoptosis. Hepatocellular carcinoma have been reportedly defined by the use of antibodies that recognize only cytokeratins 8 and 18. K18 Ser33 as an interphase phosphorylation site, which increases its phosphorylation during mitosis in cultured cells and regenerating liver, and as an in vitro cdc2 kinase phosphorylation site.Phosphorylation of Ser33 and Ser52 are involved in keratin subcellular distribution.

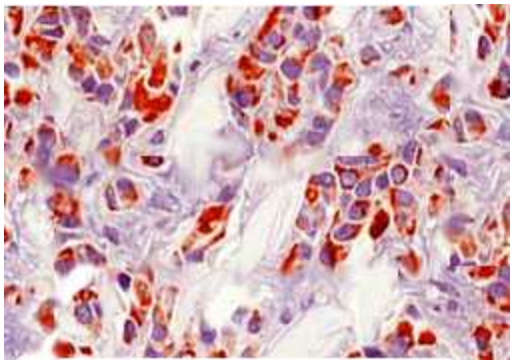
Synonyms: CYK18; K18

Protein Pathways: Pathogenic Escherichia coli infection

Product images:



WB: The whole cell lysate derived from A431 was immunoblotted by Rabbit anti-CK18 (Paired 33) antibody at 1:500, an immunoreactive band around ~48kDa is observed.



IHC: Human breast cancer stained with Anti-Keratin 18 (Paired 33) antibody, at 1:200 for 10 min at RT. Staining of formalinfixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.