



# Rabbit Anti-Human KRT19 Polyclonal Antibody (CABT-L2047)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to Keratin 19 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against KRT19. It has been selected for its ability to recognize KRT19 in immunohistochemical staining and western blotting.
<b>Target</b>	KRT19
<b>Immunogen</b>	Recombinant fragment corresponding to human KRT19 (Leu245~Tyr391)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Rat
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	K19;CK19;K1CS;Cytokeratin 19;40-kDa Keratin Intermediate Filament;Keratin, type I cytoskeletal 19

## GENE INFORMATION

<b>Gene Name</b>	KRT19 keratin 19, type I [ Homo sapiens (human) ]
<b>Official Symbol</b>	KRT19
<b>Synonyms</b>	KRT19; keratin 19, type I; K19; CK19; K1CS; keratin, type I cytoskeletal 19; CK-19; keratin-19; cytokeratin 19; cytokeratin-19; keratin, type I, 40-kd; 40-kDa keratin intermediate filament;
<b>Entrez Gene ID</b>	<a href="#">3880</a>
<b>Protein Refseq</b>	NP_002267
<b>UniProt ID</b>	<a href="#">P08727</a>
<b>Chromosome Location</b>	17q21.2
<b>Pathway</b>	Signaling mediated by p38-alpha and p38-beta;
<b>Function</b>	protein binding; protein complex binding; structural constituent of cytoskeleton; structural constituent of muscle;