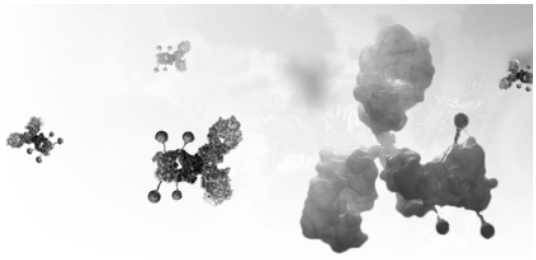

Anti-CLDN18 (aa 196-261) polyclonal antibody (DPAB-DC2137)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. This gene is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas. PKC/MAPK/AP-1 (protein kinase C/mitogen-activated protein kinase/activator protein-1) dependent pathway regulates the expression of this gene in gastric cells. Alternatively spliced transcript variants encoding different isoforms have been identified.
Immunogen	CLDN18 (NP_057453, 196 a.a. ~ 261 a.a) partial recombinant protein with GST tag. The sequence is CRGLAPEETNYKAVSYHASGHSVAYKPGGFKASTGFGSNTKNKKIYDGGARTEDEVQSYP SKHDYV
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	CLDN18 claudin 18 [Homo sapiens (human)]
Official Symbol	CLDN18
Synonyms	CLDN18; claudin 18; SFTA5; SFTPJ; claudin-18; surfactant associated 5; surfactant associated protein J; surfactant, pulmonary associated protein J;
Entrez Gene ID	51208
Protein Refseq	NP_001002026
UniProt ID	P56856
Chromosome Location	3q22.3
Pathway	Cell adhesion molecules (CAMs); Cell junction organization; Cell-cell junction organization; Hepatitis C
Function	identical protein binding; structural molecule activity;

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