



# Anti-CLDN12 monoclonal antibody (DCABH-11037)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	Claudins, such as CLDN12, are components of epithelial cell tight junctions. Tight junctions regulate movement of solutes and ions through the paracellular space and prevent mixing of proteins and lipids in the outer leaflet of the apical and basolateral plasma membrane domains (Acharya et al., 2004).
<b>Immunogen</b>	A synthetic peptide of human CLDN12 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">CLDN12 claudin 12 [ Homo sapiens ]</a>
<b>Official Symbol</b>	CLDN12

<b>Synonyms</b>	CLDN12; claudin 12; claudin-12;
<b>Entrez Gene ID</b>	<a href="#">9069</a>
<b>Protein Refseq</b>	<a href="#">NP_001172001</a>
<b>UniProt ID</b>	<a href="#">B2R687</a>
<b>Chromosome Location</b>	7q21
<b>Pathway</b>	Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; Tight junction interactions, organism-specific biosystem.
<b>Function</b>	identical protein binding; structural molecule activity;