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Datasheet for ABIN522514

anti-Claudin 2 antibody (AA 29-80)

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Overview

Quantity:	100 µg
Target:	Claudin 2 (CLDN2)
Binding Specificity:	AA 29-80
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Claudin 2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	Mouse monoclonal antibody raised against a partial recombinant CLDN2.
Immunogen:	CLDN2 (NP_065117, 29 a.a. ~ 80 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	SWKTSSYVGA SIVTAVGFSK GLWMECATHS TGITQCDIYS TLLGLPADIQ AA
Clone:	3F1
Isotype:	IgG2a
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

Target Details

Target:	Claudin 2 (CLDN2)
Alternative Name:	CLDN2 (CLDN2 Products)
Background:	Full Gene Name: claudin 2 Synonyms:
Gene ID:	9075
NCBI Accession:	NM_020384
Pathways:	Hepatitis C

Application Details

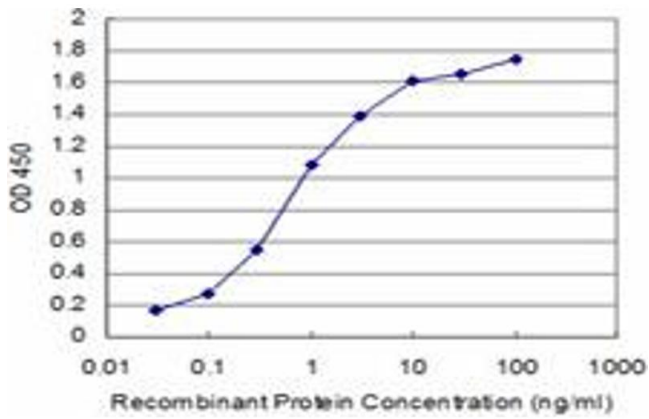
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

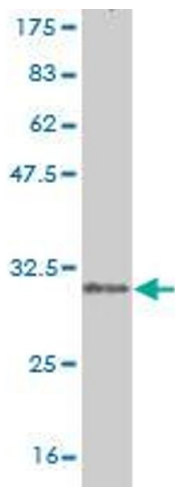
Publications

Product cited in:	Nallani, Andreasson-Ochsner, Tan, Sinner, Wisantoso, Geifman-Shochat, Hunziker: "Proteopolymersomes: in vitro production of a membrane protein in polymersome membranes." in: Biointerphases , Vol. 6, Issue 4, pp. 153-7, (2012) (PubMed).
	Tan, Wijaya, Andreasson-Ochsner, Vasina, Nallani, Hunziker, Sinner: "A novel microfluidics-based method for probing weak protein-protein interactions." in: Lab on a chip , Vol. 12, Issue 15, pp. 2726-35, (2012) (PubMed).
	Lim, Vedula, Hui, Kausalya, Hunziker, Lim: "Probing effects of pH change on dynamic response of Claudin-2 mediated adhesion using single molecule force spectroscopy." in: Experimental cell research , Vol. 314, Issue 14, pp. 2643-51, (2008) (PubMed).



ELISA

Image 1. Detection limit for recombinant GST tagged CLDN2 is approximately 0.03ng/ml as a capture antibody.



Western Blotting

Image 2. Western Blot detection against Immunogen (31.46 KDa) .