Datasheet for ABIN2175615

anti-HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd) (AA 331-430) antibody

1 Publication

Go to Product page

Overview

Quantity:	100 µL
Target:	HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd)
Binding Specificity:	AA 331-430
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Syncytin-2
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	HERV-FRD Provirus Ancestral Env Polyprotein (Herv-frd)
Alternative Name:	Syncytin 2 (Herv-frd Products)

Target Details

Target Type:	Viral Protein
Background:	Synonyms: envFRD, UNQ6191, ERVFRDE1, GLLL6191, HERV-FRD, HERV-W/FRD, Syncytin-2, Endogenous retrovirus group FRD member 1, Envelope polyprotein, HERV-FRD_6p24.1 provirus ancestral Env polyprotein, ERVFRD-1, UNQ6191/PRO20218 Background: This endogenous retroviral envelope protein has retained its original fusogenic properties and participates in trophoblast fusion and the formation of a syncytium during placenta morphogenesis. The interaction with MFSD2A is apparently important for this process (PubMed:18988732). Endogenous envelope proteins may have kept, lost or modified their original function during evolution but this one can still make pseudotypes with MLV, HIV-1 or SIV-1 virions and confer infectivity. Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. The surface protein mediates receptor recognition, while the transmembrane protein anchors the envelope heterodimer to the viral membrane through one transmembrane domain. The other hydrophobic domain, called fusion peptide, mediates fusion of the viral membrane with the target cell membrane (PubMed:14694139).
Gene ID:	405754
UniProt:	P60508

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Díaz-Carballo, Acikelli, Klein, Jastrow, Dammann, Wyganowski, Guemues, Gustmann, Bardenheuer, Malak, Tefett, Khosrawipour, Giger-Pabst, Tannapfel, Strumberg: "Therapeutic potential of antiviral drugs targeting chemorefractory colorectal adenocarcinoma cells overexpressing endogenous retroviral elements." in: **Journal of experimental & clinical cancer research : CR**, Vol. 34, pp. 81, (2015) (PubMed).