Datasheet for ABIN1700330
anti-GRB14 antibody (AA 221-320) (Biotin)

Overview

Quantity:	100 μL
Target:	GRB14
Binding Specificity:	AA 221-320
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRB14 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GRB 14
Isotype:	IgG
Specificity:	This antibody may also detect the similar protein GRB10 due to an 83 % sequence similarity in the immunogen sequence.
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Dog,Cow,Sheep,Horse,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	GRB14
Alternative Name:	GRB 14 (GRB14 Products)
Background:	Synonyms: Growth factor receptor-bound protein 14, GRB14 adapter protein, GRB14 Background: Adapter protein which modulates coupling of cell surface receptor kinases with specific signaling pathways. Binds to, and suppresses signals from, the activated insulin receptor (INSR). Potent inhibitor of insulin-stimulated MAPK3 phosphorylation. Plays a critical role regulating PDPK1 membrane translocation in response to insulin stimulation and serves as an adapter protein to recruit PDPK1 to activated insulin receptor, thus promoting PKB/AKT1 phosphorylation and transduction of the insulin signal.
Gene ID:	2888
UniProt:	Q14449

Application Details

Application Notes:	IHC-P 1:200-400
	IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months