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Datasheet for ABIN7119860

anti-TSPAN12 antibody



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Quantity:	100 μg
Target:	TSPAN12
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSPAN12 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

immunogen:	tetraspanin 12
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	TSPAN12	
Alternative Name:	TSPAN12 (TSPAN12 Products)	
Background:	Synonyms:NET 2, NET2, Tetraspan NET 2, tetraspanin 12, TM4SF12, Tspan 12, TSPAN12	
	Background:Regulator of cell surface receptor signal transduction. Plays a central role in retinal	
	$vascularization\ by\ regulating\ norrin(NDP)\ signal\ transduction.\ Acts\ in\ concert\ with\ norrin(NDP)$	
	to promote FZD4 multimerization and subsequent activation of FZD4, leading to promote	

accumulation of beta-catenin(CTNNB1) and stimulate LEF/TCF-mediated transcriptional programs. Suprisingly, it only activate the norrin(NDP)-dependent activation of FZD4, while it does not activate the Wnt-dependent activation of FZD4, suggesting the existence of a Wnt-independent signaling that also promote accumulation the beta-catenin(CTNNB1)(By similarity). Acts as a regulator of membrane proteinases such as ADAM10 and MMP14/MT1-MMP. Activates ADAM10-dependent cleavage activity of amyloid precursor protein(APP). Activates MMP14/MT1-MMP-dependent cleavage activity.

Molecular Weight: 28 kDa

Gene ID: 23554

UniProt: 095859

Application Details

Application Notes: WB: 1:200-1:2000

Restrictions: For Research Use only

Handling

Format:	Liquid	
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)	
Expiry Date:	12 months	