

ARG43084 anti-WDR83 / Morg1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes WDR83 / Morg1
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Chk
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	WDR83 / Morg1
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 29-43 of Human WDR83 / Morg1. (RAVRFNVDGNYCLTC)
Conjugation	Un-conjugated
Alternate Names	MAPK organizer 1; Mitogen-activated protein kinase organizer 1; WD repeat domain-containing protein 83; MORG1

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	
Observed Size	~ 35 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

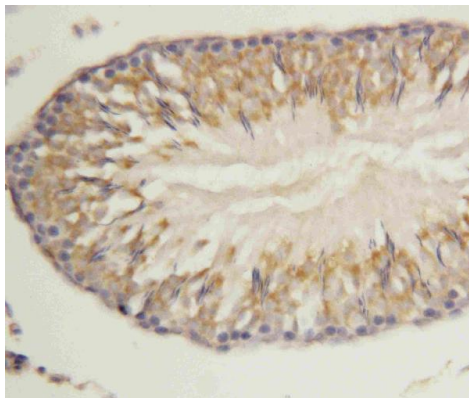
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

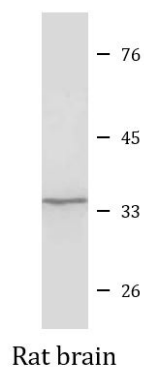
Gene Symbol	WDR83
Gene Full Name	WD repeat domain 83
Background	This gene encodes a member of the WD-40 protein family. The protein is proposed to function as a molecular scaffold for various multimeric protein complexes. The protein associates with several components of the extracellular signal-regulated kinase (ERK) pathway, and promotes ERK activity in response to serum or other signals. The protein also interacts with egl nine homolog 3 (EGLN3, also known as PHD3) and regulates expression of hypoxia-inducible factor 1, and has been purified as part of the spliceosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Function	Molecular scaffold protein for various multimeric protein complexes. Acts as a module in the assembly of a multicomponent scaffold for the ERK pathway, linking ERK responses to specific agonists. At low concentrations it enhances ERK activation, whereas high concentrations lead to the inhibition of ERK activation. Also involved in response to hypoxia by acting as a negative regulator of HIF1A/HIF-1-alpha via its interaction with EGLN3/PHD3. May promote degradation of HIF1A. May act by recruiting signaling complexes to a specific upstream activator (By similarity). May also be involved in pre-mRNA splicing. [UniProt]
Calculated Mw	34 kDa
Cellular Localization	Cytoplasm. Nucleus. Note=Predominantly cytoplasmic. Partially nuclear. [UniProt]

Images



ARG43084 anti-WDR83 / Morg1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat lung tissue stained with ARG43084 anti-WDR83 / Morg1 antibody.



ARG43084 anti-WDR83 / Morg1 antibody WB image

Western blot: Rat brain lysate stained with ARG43084 anti-WDR83 / Morg1 antibody.