

ARG43127 anti-DOK7 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DOK7
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DOK7
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence of Human DOK7. (STVEERVAQEALETLQLEKRLSLLSHAGR)
Conjugation	Un-conjugated
Alternate Names	CMS10; Protein Dok-7; CMS1B; C4orf25; Downstream of tyrosine kinase 7

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	~ 65 kDa	

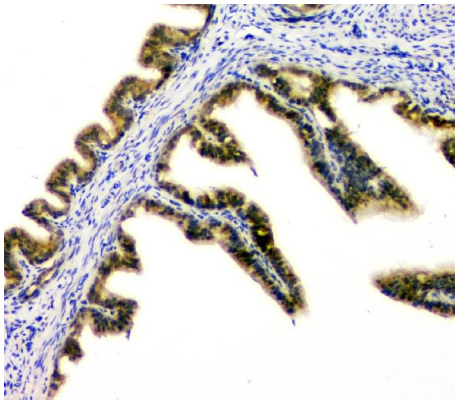
Properties

Form	Liquid
Purification	Immunogen affinity purified.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
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.

Bioinformation

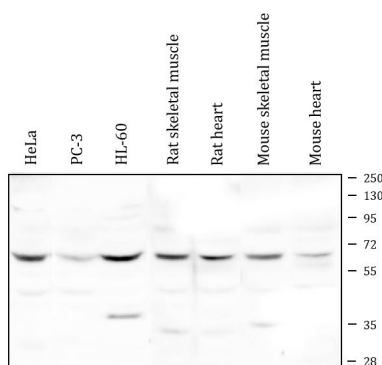
Gene Symbol	DOK7
Gene Full Name	docking protein 7
Background	The protein encoded by this gene is essential for neuromuscular synaptogenesis. The protein functions in aneural activation of muscle-specific receptor kinase, which is required for postsynaptic differentiation, and in the subsequent clustering of the acetylcholine receptor in myotubes. This protein can also induce autophosphorylation of muscle-specific receptor kinase. Mutations in this gene are a cause of familial limb-girdle myasthenia autosomal recessive, which is also known as congenital myasthenic syndrome type 1B. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]
Function	Probable muscle-intrinsic activator of MUSK that plays an essential role in neuromuscular synaptogenesis. Acts in aneural activation of MUSK and subsequent acetylcholine receptor (AChR) clustering in myotubes. Induces autophosphorylation of MUSK. [UniProt]
Calculated Mw	53 kDa
Cellular Localization	Cell membrane; Peripheral membrane protein. Cell junction, synapse. Note=Accumulates at neuromuscular junctions. [UniProt]

Images



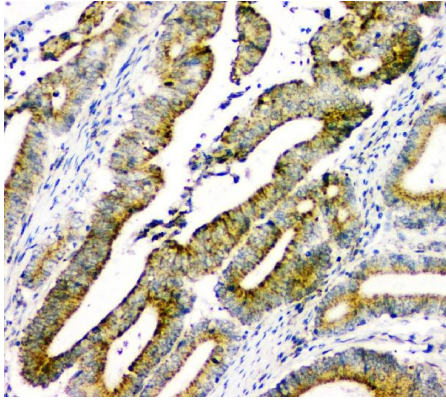
ARG43127 anti-DOK7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat ovary tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43127 anti-DOK7 antibody at 1 µg/ml dilution, overnight at 4°C.



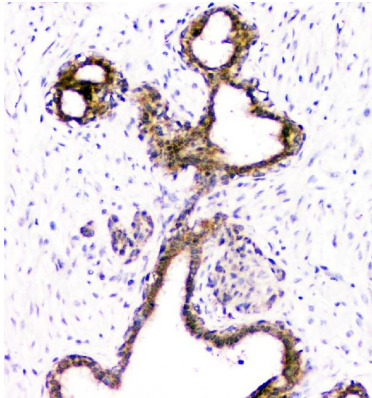
ARG43127 anti-DOK7 antibody WB image

Western blot: 50 µg of sample under reducing conditions. HeLa, PC-3, HL-60, Rat skeletal muscle, Rat heart, Mouse skeletal muscle and Mouse heart lysates stained with ARG43127 anti-DOK7 antibody at 0.5 µg/ml dilution, overnight at 4°C.



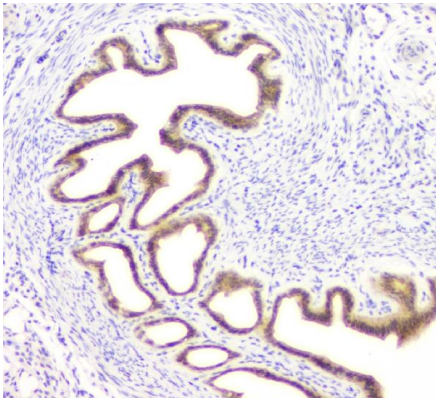
ARG43127 anti-DOK7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43127 anti-DOK7 antibody at 1 μ g/ml dilution, overnight at 4°C.



ARG43127 anti-DOK7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human mammary cancer tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43127 anti-DOK7 antibody at 1 μ g/ml dilution, overnight at 4°C.



ARG43127 anti-DOK7 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse ovary tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG43127 anti-DOK7 antibody at 1 μ g/ml dilution, overnight at 4°C.
