

## Product datasheet for **TA504789**

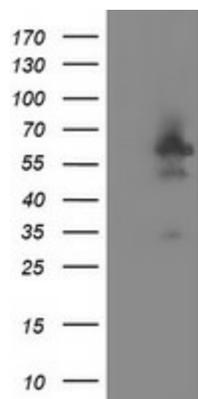
### **DOK7 Mouse Monoclonal Antibody [Clone ID: OTI1F7]**

#### **Product data:**

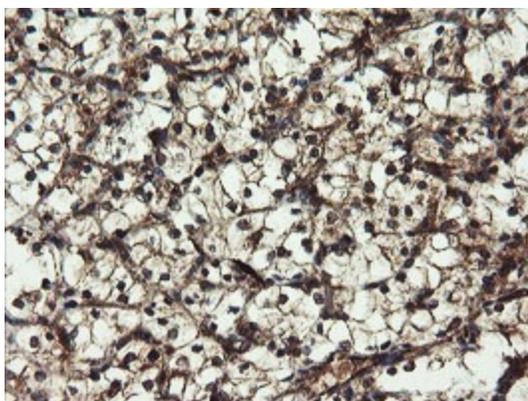
<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI1F7
<b>Applications:</b>	FC, IF, IHC, WB
<b>Recommend Dilution:</b>	WB 1:2000, IHC 1:150, IF 1:100, FLOW 1:100
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human DOK7(NP_775931) produced in HEK293T cell.
<b>Formulation:</b>	PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	1 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Predicted Protein Size:</b>	52.9 kDa
<b>Gene Name:</b>	docking protein 7
<b>Database Link:</b>	<a href="#">NP_775931</a> <a href="#">Entrez Gene 285489</a> <a href="#">Human</a>
<b>Background:</b>	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]
<b>Synonyms:</b>	C4orf25; CMS1B; CMS10



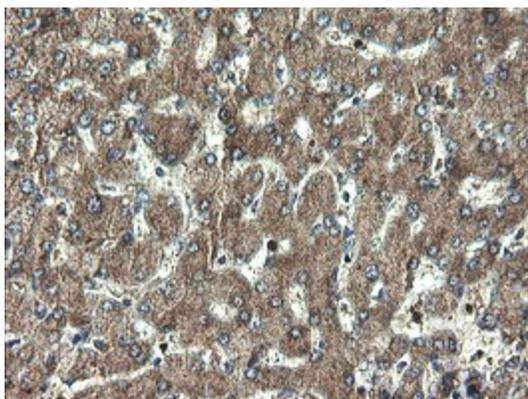
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**Product images:**

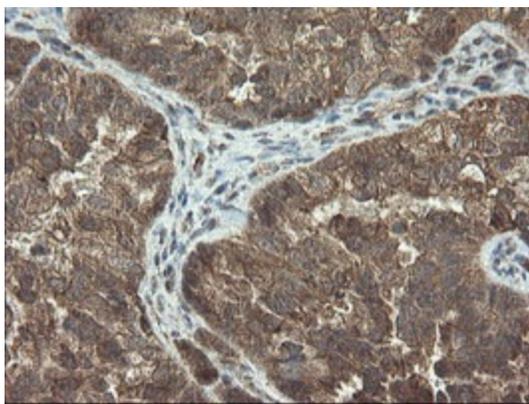
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY DOK7 ([RC219267], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-DOK7. Positive lysates [LY406543] (100ug) and [LC406543] (20ug) can be purchased separately from OriGene.



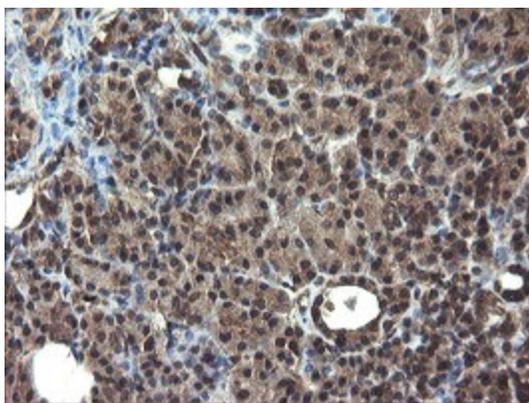
Immunohistochemical staining of paraffin-embedded Carcinoma of Human kidney tissue using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



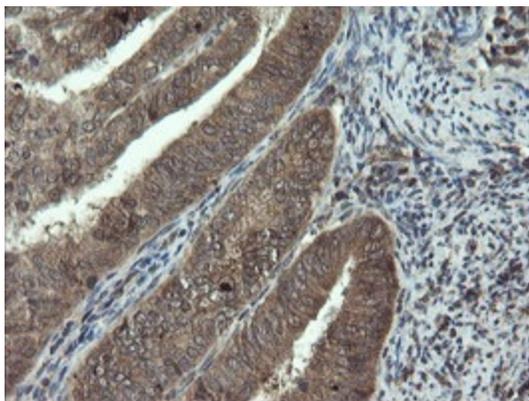
Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



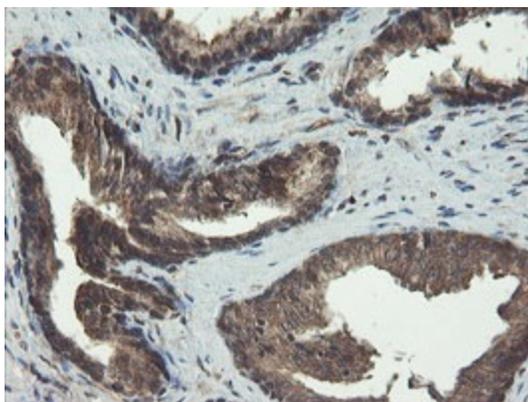
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human ovary tissue using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



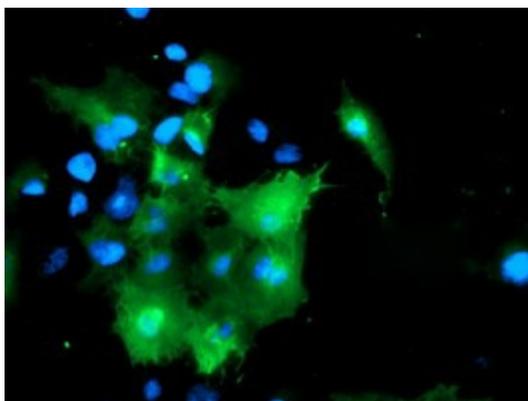
Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



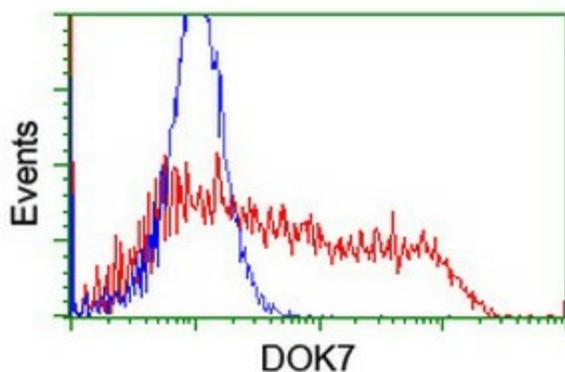
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



Immunohistochemical staining of paraffin-embedded Human prostate tissue within the normal limits using anti-DOK7 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA504789)



Anti-DOK7 mouse monoclonal antibody (TA504789) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY DOK7 ([RC219267]).



HEK293T cells transfected with either [RC219267] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-DOK7 antibody (TA504789), and then analyzed by flow cytometry.