

## DOK7 Ab

[References\(1\)](#) [Images\(4\)](#)

|               |                 |                       |
|---------------|-----------------|-----------------------|
| Cat.#: AF0681 | Concn.: ~1mg/ml | Mol.Wt.: 60kDa        |
| Size:         | Source: Rabbit  | Clonality: Polyclonal |

Application: WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500  
\*The optimal dilutions should be determined by the end user.

Reactivity: Human, Mouse

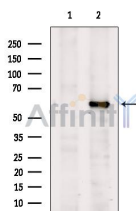
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

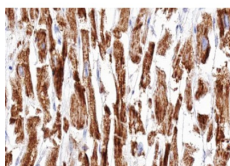
Immunogen: A synthesized peptide derived from human DOK7, corresponding to a region within C-terminal amino acids.

Uniprot: Q18PE1

Description: Dok7 docking proteins are enzymatically inert adaptor or scaffolding proteins. They provide a docking platform for the assembly of multimolecular signaling complexes. 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.



Western blot analysis of extracts from A2780 cells, using DOK7 Ab. The lane on the left was treated with blocking peptide.



AF0681 at 1/100 staining human Heart muscle tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the Ab for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit Ab was used as the secondary Ab.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab

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in 5% w/v milk , 1X TBS, 0.1% Tween®20 at 4°C with gentle shaking, overnight.

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