bs-13633R **[Primary Antibody]**

DOK7 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 285489 **SWISS:** Q18PE1

Target: DOK7

Immunogen: KLH conjugated synthetic peptide derived from human DOK7: 21-120/504.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The downstream of kinase family (Dok1-7) are members of a class of “docking” proteins that include the tyrosine kinase substrates IRS-1 and Cas, which contain multiple tyrosine residues and putative SH2 binding sites. Based on their similarities, the Dok family of proteins can be divided into three subgroups: Dok-1/2/3, Dok-4/5/6 and Dok-7. Through its interaction with muscle-specific receptor kinase (MuSK), Dok-7 is crucial for neuromuscular synaptogenesis and for MuSK activation. Mice lacking Dok-7 do not form neuromuscular synapses nor acetylcholine receptor clusters. Mutations in the Dok-7 gene can cause congenital myasthenic syndromes (CMA) — recessively inherited disorders characterized by muscle weakness.

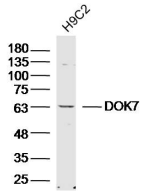
Applications: **WB** (1:500-2000)

Reactivity: Rat (predicted: Human, Mouse, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 53 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: H9C2 Cell (Rat) Lysate at 40 ug Primary: Anti-DOK7 (bs-13633R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 53 kD Observed band size: 63 kD