

Product Datasheet

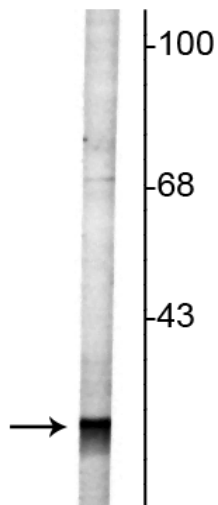
Anti-Rab 3



Overview

Catalog #	1805-Rab3
Host Species	Rabbit Polyclonal
Format	Antigen Affinity Purified from Pooled Serum
Applications	WB 1:1000
Species Tested	Rat
Expected Reactivity	Human, Mouse, Non-Human Primate, <i>Xenopus</i>
Immunogen	Synthetic peptide corresponding to amino acid residues from the N-terminal region of rat Rab3, conjugated to keyhole limpet hemocyanin (KLH).
Molecular Weight	27 kDa
Cite this Antibody	PhosphoSolutions Cat# 1805-Rab3, RRID:AB_2492220

Images



Western blot of rat cortical lysate showing specific labeling of the ~27 kDa Rab3 protein.

Details

Target Description	Rab proteins belong to the Ras small GTPase superfamily. The GTP-binding Rab3 subfamily has 4 known isoforms: 3A, 3B, 3C, and 3D (Schluter et al., 2004). These proteins are expressed in highest concentrations in brain and endocrine tissues and involved in regulated exocytosis of hormones and neurotransmitters (Coppola et al., 2002). Specifically, Rab3's are thought to play a key role in presynaptic vesicle trafficking and priming (Schluter et al., 2006).
Specificity	Specific for endogenous levels of the ~27 kDa Rab3 protein.
Production/Purification	Prepared from pooled rabbit serum by affinity purification via chromatography on an affinity column made with the N-terminal peptide used as antigen.
Quality Control	Western blots performed on each lot.
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol.
Stability	After date of receipt, stable for at least 1 year at -20°C.

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