



Anti-RAP1A (full length) polyclonal antibody (DPAB-DC2666)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the Ras family of small GTPases. The encoded protein undergoes a change in conformational state and activity, depending on whether it is bound to GTP or GDP. This protein is activated by several types of guanine nucleotide exchange factors (GEFs), and inactivated by two groups of GTPase-activating proteins (GAPs). The activation status of the encoded protein is therefore affected by the balance of intracellular levels of GEFs and GAPs. The encoded protein regulates signaling pathways that affect cell proliferation and adhesion, and may play a role in tumor malignancy. Pseudogenes of this gene have been defined on chromosomes 14 and 17. Alternative splicing results in multiple transcript variants.
Immunogen	RAP1A (AAH14086.1, 1 a.a. ~ 184 a.a) full-length recombinant protein with GST tag. The sequence is MREYKLVVLGSGGVGKSALTVQFVQGIFVEKYDPTIEDSYRKQVEVDCQQCMLEILD TAGTEQFTAMRDLYMKNGQGFA LVYSITAQSTFNDLQDLREQILRVKDTEDVPMILVGNKCDL EDERVVGKEQGQNLARQWCNCAFLESSAKSKINVNEIFYDLVRQINRKTPVEKKKPKKK SCLL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RAP1A RAP1A, member of RAS oncogene family [Homo sapiens (human)]
Official Symbol	RAP1A
Synonyms	RAP1A; RAP1A, member of RAS oncogene family; RAP1; C21KG; G-22K; KREV1; KREV-1; SMGP21; ras-related protein Rap-1A; Ras-related protein Krev-1; GTP-binding protein smg p21A;
Entrez Gene ID	5906
Protein Refseq	NP_001010935
UniProt ID	A8KAH9
Chromosome Location	1p13.3
Pathway	ARMS-mediated activation; BDNF signaling pathway; Chemokine signaling pathway; EPO signaling pathway
Function	GTP binding; GTPase activity; Rap guanyl-nucleotide exchange factor activity; Ras GTPase binding