



Anti-GTPBP3 (aa 244-343) polyclonal antibody (DPAB-DC3494)

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

PRODUCT INFORMATION

Antigen Description	This locus encodes a GTP-binding protein. The encoded protein is localized to the mitochondria and may play a role in mitochondrial tRNA modification. Polymorphisms at this locus may be associated with severity of aminoglycoside-induced deafness, a disease associated with a mutation in the 12S rRNA. Alternatively spliced transcript variants encoding different isoforms have been described.
Immunogen	GTPBP3 (NP_116009.1, 244 a.a. ~ 343 a.a) partial recombinant protein with GST tag. The sequence is QRLRSGAHVVVTGPPNAGKSSLVNLLSRKPVSIVSPEPGTTRDVLETPVDLAGFPVLLSD TAGLREGVGPVEQEGVRRARERLEQADLILAMLDASDLAS
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	GTPBP3 GTP binding protein 3 (mitochondrial) [Homo sapiens (human)]
Official Symbol	GTPBP3
Synonyms	GTPBP3; GTP binding protein 3 (mitochondrial); MSS1; MTGP1; THDF1; GTPBG3; tRNA modification GTPase GTPBP3, mitochondrial; mitochondrial GTP-binding protein 1;
Entrez Gene ID	84705
Protein Refseq	NP_001122327
UniProt ID	B7Z563
Chromosome Location	19p13.11
Function	GTP binding; GTPase activity;