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GADD45GIP1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI14810

Product Information

Application	WB
Primary Accession	Q8TAE8
Other Accession	NM_052850, NP_443082
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine, Yeast
Predicted	Human, Rabbit, Dog, Guinea Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25384

Additional Information

Gene ID	90480
Alias Symbol	CKBBP2, CRIF1, MGC4667, MGC4758, PLINP-1, PRG6, Plinp1
Other Names	Growth arrest and DNA damage-inducible proteins-interacting protein 1, 39S ribosomal protein L59, mitochondrial, MRP-L59, CKII beta-associating protein, CR6-interacting factor 1, CRIF1, Papillomavirus L2-interacting nuclear protein 1, PLINP, PLINP-1, p53-responsive gene 6 protein, GADD45GIP1, MRPL59, PLINP1, PRG6
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GADD45GIP1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GADD45GIP1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

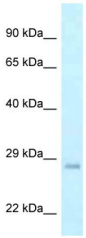
Name	GADD45GIP1
Synonyms	MRPL59, PLINP1, PRG6
Function	Acts as a negative regulator of G1 to S cell cycle phase progression by inhibiting cyclin-dependent kinases. Inhibitory effects are additive with GADD45 proteins but also occur in the absence of GADD45 proteins. Acts as a repressor of the orphan nuclear receptor NR4A1 by inhibiting AB domain-mediated transcriptional activity. May be involved in the

	hormone-mediated regulation of NR4A1 transcriptional activity. May play a role in mitochondrial protein synthesis.
Cellular Location	Mitochondrion. Nucleus Note=Using N-terminally tagged constructs, has been found in the nucleus (PubMed:12482659). C-terminally tagged constructs are targeted exclusively to mitochondria (PubMed:22453275). This discrepancy may be explained by masking of a potential N-terminal mitochondrial targeting signal by the tag (PubMed:22453275).
Tissue Location	Widely expressed. Highly expressed in the thyroid gland, heart, lymph nodes, trachea and adrenal tissues. Expressed at lower level in liver skeletal muscle, kidney, pancreas, testis, ovary and stomach. Barely detectable in adrenal adenoma and papillary thyroid cancer.

References

Goernemann J.,et al.Virology 303:69-78(2002).
Chung H.K.,et al.J. Biol. Chem. 278:28079-28088(2003).
Frigimelica E.,et al.Submitted (JAN-2003) to the EMBL/GenBank/DDBJ databases.
Horikoshi N.,et al.Biochem. Biophys. Res. Commun. 261:864-869(1999).
Park K.C.,et al.Mol. Endocrinol. 19:12-24(2005).

Images



WB Suggested Anti-GADD45GIP1 Antibody Titration: 1.0 µg/ml
Positive Control: Hela Whole CellGADD45GIP1 is supported by BioGPS gene expression data to be expressed in HeLa