

CRIF1 Polyclonal Antibody

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|------------------------------|---|
| Catalog No : | YT1111 |
| Reactivity : | Human;Rat;Mouse; |
| Applications : | IHC;IF;ELISA |
| Target : | CRIF1 |
| Gene Name : | GADD45GIP1 |
| Protein Name : | Growth arrest and DNA damage-inducible proteins-interacting protein 1 |
| Human Gene Id : | 90480 |
| Human Swiss Prot No : | Q8TAE8 |
| Mouse Swiss Prot No : | Q9CR59 |
| Immunogen : | The antiserum was produced against synthesized peptide derived from human GADD45GIP1. AA range:91-140 |
| Specificity : | CRIF1 Polyclonal Antibody detects endogenous levels of CRIF1 protein. |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | IHC 1:100 - 1:300. ELISA: 1:40000.. IF 1:50-200 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Concentration : | 1 mg/ml |
| Storage Stability : | -15°C to -25°C/1 year(Do not lower than -25°C) |
| Molecularweight : | 25kD |

Background : This gene encodes a nuclear-localized protein that may be induced by p53 and regulates the cell cycle by inhibiting G1 to S phase progression. The encoded protein may interact with other cell cycle regulators. [provided by RefSeq, Aug 2012],

Function : 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 occurs also 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.,induction:Down-regulated by p53/TP53 in apoptotic cells.,miscellaneous:Cells overexpressing GADD45GIP1 were more likely to be in G1 and less likely to be in S phase and grow more slowly than control cells. Inhibiting the expression of GADD45GIP1 promotes cell cycle progression.,subunit:Interacts with GADD45A, GADD45B and GADD45G. Interacts with NR4A1 via the NR4A1 AB domain. Interacts with the human papilloma virus type 16 (HPV 16) minor capsid protein L2.,tissue specific

Subcellular Location : Mitochondrion . Nucleus . 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). .

Expression : 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.

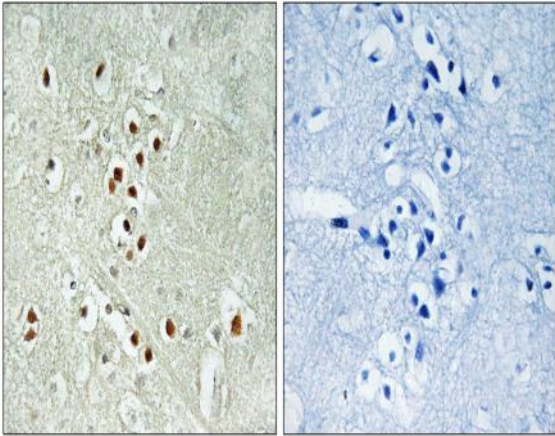
Sort : 4567

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images



Immunohistochemistry analysis of paraffin-embedded human brain, using GADD45GIP1 Antibody. The picture on the right is blocked with the synthesized peptide.