

Product datasheet for **TA350321**

RACK1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 500-2000 WB positive control: Hepg2, NIH/3T3 and Jurkat cells IHC: 25-100 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human GNB2L1
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Concentration:	lot specific
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35 kDa
Gene Name:	receptor for activated C kinase 1
Database Link:	NP_006089 Entrez Gene 14694 Mouse Entrez Gene 83427 Rat Entrez Gene 10399 Human P63244

Background: RACK1 (receptor for activated C kinase 1) is a 317 amino acid G protein b subunit-like protein that functions as a RACK and inhibits the activity of Src tyrosine kinases. In response to PKC activation, the intracellular localization of RACK1 and PKC bII changes, and RACK1 and PKC bII co-localize to the same sites. RACK1 is therefore thought to be a shuttling protein for PKC bII. A deficit in RACK1 may be associated with impaired PKC activation in the aging brain.

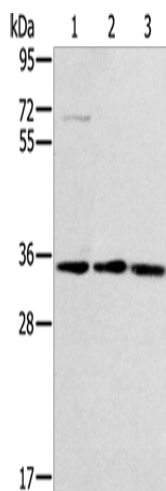


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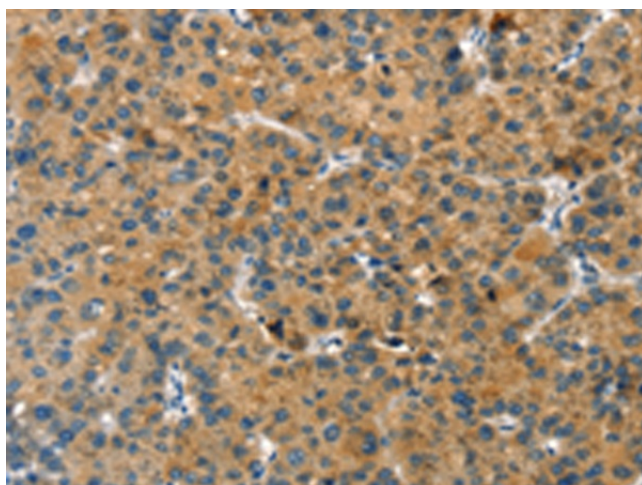
Synonyms: Gnb2-rs1; GNB2L1; H12.3; HLC-7; PIG21

Protein Families: Druggable Genome

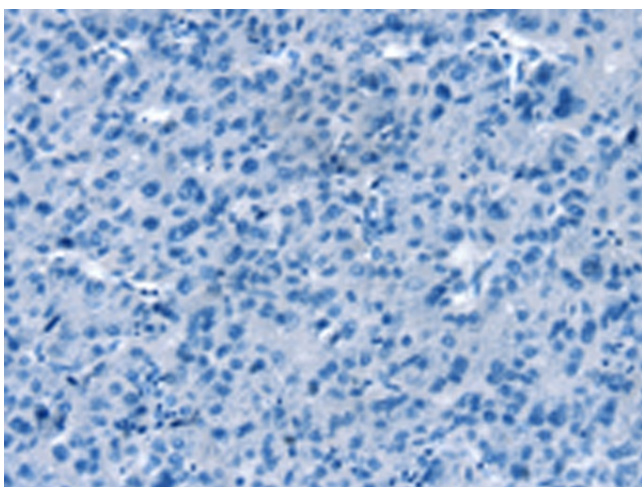
Product images:



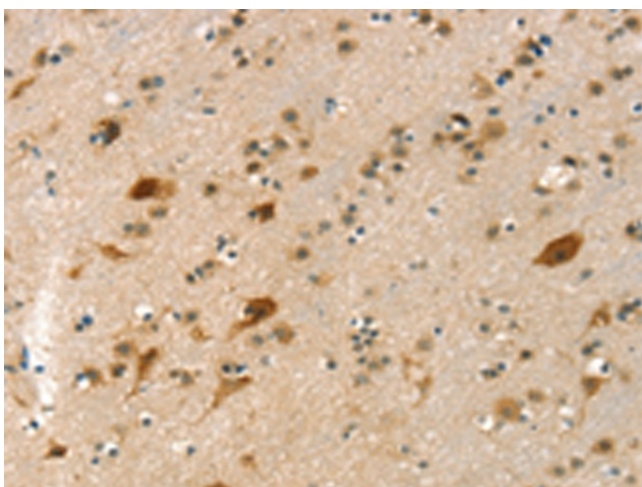
Gel: 8%SDS-PAGE
 Lysate: 40 µg
 Lane 1-3: Hepg2 cells
 NIH/3T3 cells
 Jurkat cells
 Primary antibody: TA350321 (RACK1 Antibody) at dilution 1/300
 Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution
 Exposure time: 1 minute



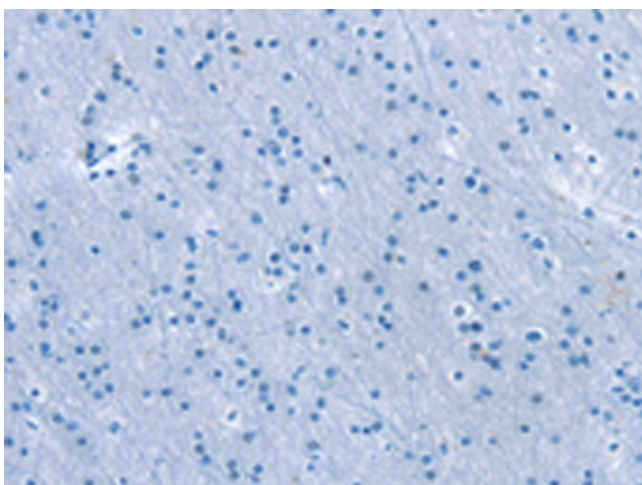
Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350321 (RACK1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TA350321 (RACK1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA350321 (RACK1 Antibody) at dilution 1/20 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human brain tissue using TA350321 (RACK1 Antibody) at dilution 1/20, treated with fusion protein. (Original magnification: ×200)