**Product name**
Anti-Calcitonin receptor antibody

**Description**
Rabbit polyclonal to Calcitonin receptor

**Host species**
Rabbit

**Specificity**
ab11042 recognises the calcitonin receptor in human, mouse and rat. The calcitonin receptor is a seven transmembrane domain cell surface protein which is coupled to G protein messenger systems. This antibody recognises an epitope within the cytoplasmic domain that is common to both C1a and C1b rat isoforms.

**Tested applications**
Suitable for: IHC-Fr, IHC-FoFr, IHC-P, WB, ELISA

**Species reactivity**
Reacts with: Mouse, Rat, Human

**Immunogen**
Synthetic peptide:
KGLP/CHQEP/NPPVSNN
, corresponding to amino acids 476-496 of Rat Calcitonin receptor

**Positive control**
Kidney, cultured osteoclasts.

**General notes**
Should this product contain a precipitate we recommend microcentrifugation before use.

**Form**
Liquid

**Storage instructions**
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

**Storage buffer**
Preservative: 0.09% Sodium Azide
Constituents: PBS

**Purity**
Protein A purified

**Purification notes**
Purified IgG was prepared from whole serum by affinity chromatography.

**Clonality**
Polyclonal

**Isotype**
IgG

**Applications**
Function
This is a receptor for calcitonin. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The calcitonin receptor is thought to couple to the heterotrimeric guanosine triphosphate-binding protein that is sensitive to cholera toxin.

Sequence similarities
Belongs to the G-protein coupled receptor 2 family.

Cellular localization
Cell membrane.

Images

ab11042 staining Calcitonin receptor in Rat brain tissue sections by Immunohistochemistry (PFA perfusion fixed frozen sections). Tissue samples were fixed by perfusion with paraformaldehyde, permeabilized with 0.3% Triton-X, blocked with 5% serum for 45 minutes at 22°C. The sample was incubated with primary antibody (1/500) at 4°C for 18 hours. An Alexa Fluor® 488-conjugated Donkey anti-rabbit polyclonal (1/500) was used as the secondary antibody.

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