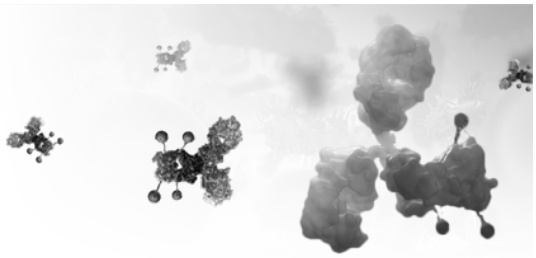

# Rabbit Anti-Human TACR2 Polyclonal Antibody (CABT-L2103)

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

## PRODUCT INFORMATION

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| **Product Overview** | Polyclonal Antibody to Tachykinin Receptor 2 (Knockout Validated) |
| **Specificity** | The antibody is a rabbit polyclonal antibody raised against TACR2. It has been selected for its ability to recognize TACR2 in immunohistochemical staining and western blotting. |
| **Target** | TACR2 |
| **Immunogen** | Recombinant fragment corresponding to human TACR2 (Val92~Leu290) |
| **Isotype** | IgG |
| **Source/Host** | Rabbit |
| **Species Reactivity** | Human, Pig |
| **Purification** | Antigen-specific affinity chromatography followed by Protein A affinity chromatography |
| **Conjugate** | Unconjugated |
| **Applications** | WB |
| **Format** | Liquid |
| **Concentration** | Lot specific |
| **Size** | 200 µg |
| **Buffer** | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4. |
| **Preservative** | 0.05% Proclin-300 |

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| | |
|---|---|
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| **Ship** | 4°C with ice bags |

# BACKGROUND

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| **Introduction** | This gene belongs to a family of genes that function as receptors for tachykinins. Receptor affinities are specified by variations in the 5-end of the sequence. The receptors belonging to this family are characterized by interactions with G proteins and 7 hydrophobic transmembrane regions. This gene encodes the receptor for the tachykinin neuropeptide substance K, also referred to as neurokinin A. [provided by RefSeq, Jul 2008] |
| **Keywords** | NK2-R;NK2R;NKNAR;SKR;TAC2R;Substance-K Receptor;Neurokinin A Receptor |

# GENE INFORMATION

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|---|---|
| **Gene Name** | TACR2 tachykinin receptor 2 [ Homo sapiens (human) ] |
| **Official Symbol** | TACR2 |
| **Synonyms** | TACR2; tachykinin receptor 2; SKR; NK2R; NKNAR; TAC2R; substance-K receptor; NK-2R; NK-2 receptor; substance K receptor; neurokinin 2 receptor; neurokinin A receptor; seven transmembrane helix receptor; |
| **Entrez Gene ID** | 6865 |
| **Protein Refseq** | NP_001048 |
| **UniProt ID** | P21452 |
| **Chromosome Location** | 10q22.1 |
| **Pathway** | Calcium signaling pathway; Class A/1 (Rhodopsin-like receptors); Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; G alpha (q) signalling events; GPCR downstream signaling; GPCR ligand binding; Gastrin-CREB signalling pathway via PKC and MAPK; |
| **Function** | protein binding; substance K receptor activity; tachykinin receptor activity; |

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