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Datasheet for ABIN2788113  
**anti-TAC1 antibody (Middle Region)**

1 Image

Overview

Quantity:	100 µL
Target:	TAC1
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Rabbit, Cow, Guinea Pig, Dog, Horse, Saccharomyces cerevisiae, Sheep
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TAC1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human TAC1
Sequence:	MKILVALAVF FLVSTQLFAE EIGANDDLNY WSDWYDSDQI KEELPEPFEH
Predicted Reactivity:	Cow: 92%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 85%, Rabbit: 100%, Rat: 100%, Sheep: 92%, Yeast: 79%
Characteristics:	This is a rabbit polyclonal antibody against TAC1. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	TAC1
Alternative Name:	TAC1 ( <a href="#">TAC1 Products</a> )

## Target Details

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**Background:** This gene encodes four products of the tachykinin peptide hormone family, substance P and neurokinin A, as well as the related peptides, neuropeptide K and neuropeptide gamma. These hormones are thought to function as neurotransmitters which interact with nerve receptors and smooth muscle cells. They are known to induce behavioral responses and function as vasodilators and secretagogues. Multiple transcript variants encoding different isoforms have been found for this gene.

Alias Symbols: Hs.2563, NK2, NKNA, NPK, TAC2

Protein Interaction Partner: BAG6, XRCC6, CENPB, ARHGEF40, PREP, MEP1A, TACR3, TACR1, TACR2, FN1, TAC4, TFF2,

Protein Size: 114

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**Molecular Weight:** 13 kDa

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**Gene ID:** 6863

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**NCBI Accession:** [NM\\_013997](#), [NP\\_054703](#)

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**UniProt:** [P20366](#)

## Application Details

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**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator.

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**Comment:** Antigen size: 114 AA

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**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

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**Concentration:** Lot specific

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**Buffer:** Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

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**Preservative:** Sodium azide

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**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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**Handling Advice:** Avoid repeated freeze-thaw cycles.

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**Storage:** -20 °C

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## Handling

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Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Images

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### Western Blotting

**Image 1.** WB Suggested Anti-TAC1 Antibody Titration: 1.0 ug/ml Positive Control: 721\_B Whole Cell