

**TAC3 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a full length recombinant TAC3.****Catalog # AT4132a****Specification**

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**TAC3 Antibody (monoclonal) (M01) - Product Information**

Application	WB, E
Primary Accession	<a href="#">Q9UHF0</a>
Other Accession	<a href="#">BC032145</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	13438

**TAC3 Antibody (monoclonal) (M01) - Additional Information****Gene ID** 6866**Other Names**

Tachykinin-3, ZNEUROK1, Neurokinin-B, NKB, Neuromedin-K, TAC3, NKNB

**Target/Specificity**

TAC3 (AAH32145, 17 a.a. ~ 121 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

**Dilution**

WB~~1:500~1000

E~~N/A

**Format**

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

**Precautions**

TAC3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

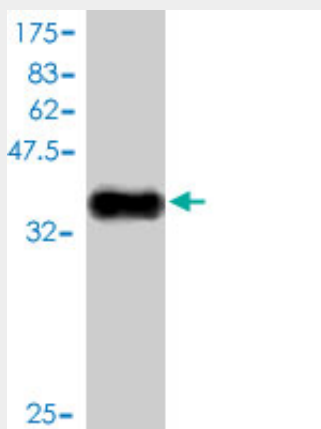
**TAC3 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

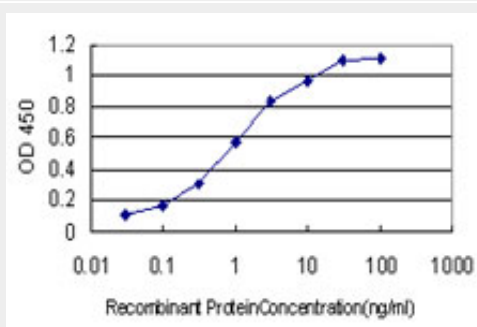
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TAC3 Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 kDa) .



Detection limit for recombinant GST tagged TAC3 is approximately 0.1 ng/ml as a capture antibody.

### TAC3 Antibody (monoclonal) (M01) - Background

This gene encodes a member of the tachykinin family of secreted neuropeptides. The encoded protein is primarily expressed in the central and peripheral nervous system and functions as a neurotransmitter. This protein is the ligand for the neurokinin-3 receptor. This protein is also expressed in the outer syncytiotrophoblast of the placenta and may be associated with pregnancy-induced hypertension and pre-eclampsia. Mutations in this gene are associated with normosmic hypogonadotropic hypogonadism. Alternate splicing results in multiple transcript variants.

### TAC3 Antibody (monoclonal) (M01) - References

Common variants of the neuropeptide expressing tachykinin genes and susceptibility to asthma: a case-control study. Klassert TE, et al. J Neuroimmunol, 2010 Oct 8. PMID 20580442. Neurokinin B and its receptor in hypogonadotropic hypogonadism. Semple RK, et al. Front Horm Res, 2010. PMID 20389091. TAC3/TACR3 mutations reveal preferential activation of gonadotropin-releasing hormone release by neurokinin B in neonatal life followed by reversal in adulthood. Gianetti E, et al. J Clin Endocrinol Metab, 2010 Jun. PMID 20332248. TAC3 and TACR3 defects cause hypothalamic

congenital hypogonadotropic hypogonadism in humans. Young J, et al. J Clin Endocrinol Metab, 2010 May. PMID 20194706. Neurokinin B signaling in puberty: human and animal studies. Topaloglu AK. Mol Cell Endocrinol, 2010 Aug 5. PMID 20176081.