

Transcription factor 25 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59302**Specification****Transcription factor 25 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9BQ70
Reactivity	Rat, Pig
Host	Rabbit
Clonality	Polyclonal
Calculated MW	77 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Transcription factor 25/Nulp1
Epitope Specificity	201-300/676
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nuclear. Note=Some staining in the cytosol.
SIMILARITY	Belongs to the TCF25 family.
SUBUNIT	Interacts with XIAP (By similarity).
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

Transcription factor 25 acts as a transcriptional repressor. It has been shown to repress transcription of SRF in vitro and hence may play a role in heart development. Transcription factor 25, is a 676 amino acid protein that plays a role in cell death. A member of the TCF25 family, Nulp1 utilizes its C-terminus to mediate transcriptional repression of SRF in vitro, and interacts with XIAP. Nulp1 localizes primarily to the nucleus but is also found in cytosol. Widely expressed, Nulp1 is found at high levels in embryonic brain and adult heart. The gene encoding Nulp1 maps to human chromosome 16, which encodes over 900 genes and comprises nearly 3% of the human genome. The GAN gene is located on chromosome 16 and, with mutation, may lead to giant axonal neuropathy, a nervous system disorder characterized by increasing malfunction with growth. The rare disorder Rubinstein-Taybi syndrome is also associated with chromosome 16, as is Crohn's disease, which is a gastrointestinal inflammatory condition.

Transcription factor 25 Polyclonal Antibody - Additional Information**Gene ID** 22980**Other Names**

Transcription factor 25, TCF-25, Nuclear localized protein 1, TCF25, KIAA1049, NULP1

Target/Specificity

In the embryo, widely expressed with highest levels in brain. In the adult, highest expression is found in the heart.

Dilution

WB~~1:1000<br \>IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Transcription factor 25 Polyclonal Antibody - Protein Information

Name TCF25 {ECO:0000303|PubMed:30244831, ECO:0000312|HGNC:HGNC:29181}

Function

Component of the ribosome quality control complex (RQC), a ribosome-associated complex that mediates ubiquitination and extraction of incompletely synthesized nascent chains for proteasomal degradation (PubMed:30244831). In the RQC complex, required to promote formation of 'Lys-48'-linked polyubiquitin chains during ubiquitination of incompletely synthesized proteins by LTN1 (PubMed:30244831). May negatively regulate the calcineurin-NFAT signaling cascade by suppressing the activity of transcription factor NFATC4 (By similarity). May play a role in cell death control (By similarity).

Cellular Location

Nucleus. Cytoplasm, cytosol. Note=Mainly nuclear

Tissue Location

In the embryo, widely expressed with highest levels in brain (PubMed:16574069). In the adult, highest expression is found in the heart (PubMed:16574069, PubMed:32805187). Repressed in cardiac tissue of patients with heart failure (at protein level) (PubMed:32805187). mRNA levels in the heart are unchanged in patients with heart failure (PubMed:32805187).

Transcription factor 25 Polyclonal Antibody - 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](#)

Transcription factor 25 Polyclonal Antibody - Images