

ZFAND1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57124**Specification****ZFAND1 Polyclonal Antibody - Product Information**

| | |
|-------------------|------------------------|
| Application | IHC-P, IHC-F, IF, ICC |
| Primary Accession | Q8TCF1 |
| Reactivity | Rat, Pig |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 30787 |

ZFAND1 Polyclonal Antibody - Additional Information**Gene ID** 79752**Other Names**

AN1-type zinc finger protein 1, Zinc finger AN1-type-containing protein 1, ZFAND1 ([HGNC:25858](http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=25858))

Dilution

IHC-P ~ N/A
IHC-F ~ N/A
IF ~ 1:50 ~ 200
ICC ~ N/A

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.

ZFAND1 Polyclonal Antibody - Protein Information**Name** ZFAND1 ([HGNC:25858](#))**Function**

Plays a role in the regulation of cytoplasmic stress granules (SGs) turnover. SGs are dynamic and transient cytoplasmic ribonucleoprotein assemblies important for cellular protein homeostasis when protein production is suspended after acute exogenous stress (PubMed: [29804830](http://www.uniprot.org/citations/29804830)). Associates with SGs and is involved in the efficient and specific arsenite-induced clearance process of SGs through the recruitment of the ubiquitin-selective ATPase VCP and the 26S proteasome (PubMed: [29804830](http://www.uniprot.org/citations/29804830)). This process requires both complexes for efficient degradation of damaged ubiquitinated SG proteins during recovery from arsenite stress, and hence avoiding aberrant cytoplasmic SG degradation via autophagy (PubMed: [29804830](http://www.uniprot.org/citations/29804830)).

Cellular Location

Cytoplasm, Stress granule. Note=Colocalizes with TIA1, G3BP1, VCP and 26S proteasome in cytoplasmic stress granules (SGs) in response to arsenite-induced stress treatment in a VCP-independent manner (PubMed:29804830). Not localized in SGs in response to other heat-oxidative- or osmotic-induced stress treatments. Colocalizes with VCP in cytoplasmic speckles (PubMed:29804830)

ZFAND1 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](#)

ZFAND1 Polyclonal Antibody - Images