



[Go to Product page](#)

Datasheet for ABIN2774915

## anti-THO Complex 4 antibody (N-Term)

2 Images

2 Publications

### Overview

Quantity:	100 µL
Target:	THO Complex 4 (THOC4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Zebrafish (Danio rerio), Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This THO Complex 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

### Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human THOC4
Sequence:	GGGPIRNRPA IARGAAGGGG RNRPA PYSRP KQLPDKWQHD LFDSGFGGGA
Predicted Reactivity:	Cow: 100%, Dog: 100%, Human: 100%, Mouse: 100%, Rat: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against THOC4. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

### Target Details

Target:	THO Complex 4 (THOC4)
Alternative Name:	THOC4 ( <a href="#">THOC4 Products</a> )

## Target Details

---

**Background:** THOC4 is a heat stable, nuclear protein and functions as a molecular chaperone. It is thought to regulate dimerization, DNA binding, and transcriptional activity of basic region-leucine zipper (bZIP) proteins. The protein encoded by this gene is a heat stable, nuclear protein and functions as a molecular chaperone. It is thought to regulate dimerization, DNA binding, and transcriptional activity of basic region-leucine zipper (bZIP) proteins.

Alias Symbols: ALY, BEF, REF, THOC4, ALY/REF

Protein Interaction Partner: TP53, AKT1, NEDD1, THOC3, NCBP1, THOC2, CEP250, THOC5, DDX39B, STAU1, UBC, MDM2, SUZ12, EED, RNF2, FBXO6, CD81, ICAM1, IGSF8, PAN2, VCAM1, ITGA4, IL7R, FN1, CBX8, EIF4A3, MAGOH, PAXIP1, TRIP12, TRIP13, UBE2I, SF3B4, TLE3, YBX1, HNRNPM, ERCC4, ATP6V1E1, UB

Protein Size: 257

---

**Molecular Weight:** 28 kDa

---

**Gene ID:** 10189

---

**NCBI Accession:** [NM\\_005782](#), [NP\\_005773](#)

---

**UniProt:** [Q86V81](#)

## Application Details

---

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

---

**Comment:** Antigen size: 257 AA

---

**Restrictions:** For Research Use only

## Handling

---

**Format:** Liquid

---

**Concentration:** Lot specific

---

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

---

**Preservative:** Sodium azide

---

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

---

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

---

**Storage:** -20 °C

---

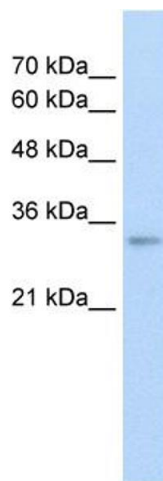
## Handling

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.

## Publications

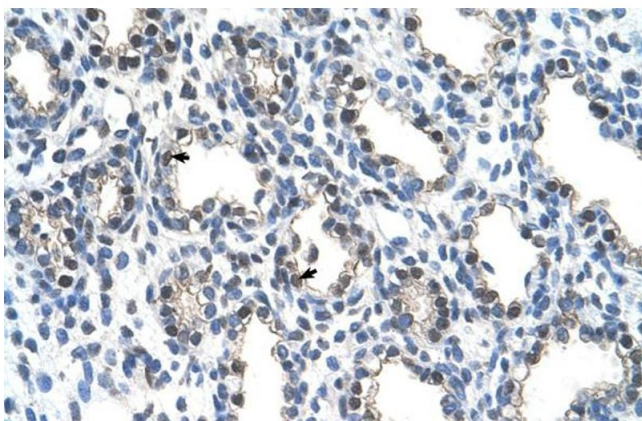
Product cited in: Harden, Perez-Carrion, Babakordi, Plummer, Hepburn, Barker, Wright, Evans, Corfe. "Evaluation of the salivary proteome as a surrogate tissue for systems biology approaches to understanding appetite." in: **Journal of proteomics**, Vol. 75, Issue 10, pp. 2916-23, (2012) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** WB Suggested Anti-THOC4 Antibody Titration: 2.5ug/ml Positive Control: HepG2 cell lysate



### Immunohistochemistry

**Image 2.** Human Lung