

Applications

| Competition ELISA | Western Blot | SPR | Spiked IP | Immunofluorescence | IP-MS | ChIP |
|-------------------|--------------|-----|-----------|--------------------|-------|------|
| | | | Pass | Pass | | |

*rAb has been tested for the following applications. See below for the experimental details.

Antibody information

rAb ID: anti-ATF4-RAB-T57

Description: recombinant Fab fragment obtained by recombinant antibody (rAb) phage display recognizing *ATF4* protein under non-denaturing conditions; specificity and affinity tested.

Binder type: rAb **Isotype:** IgG1 **Species:** *Homo sapiens* **Produced in:** *E. coli* **rAb tags:** Avi-tag; Flag-tag

Specificity: reacts with *Homo sapiens* ATF4 **Epitope:** binds to folded domain amino acids 276-339

Storage conditions: short term – store at 4°C (over 6 months), long term - PBS -20°C or -80°C

Link: <http://recombinant-antibodies.org/binders/anti-ATF4-RAB-T57>

Antigen information

Protein Name: Activating transcription factor 4

HGNC Symbol: ATF4 **HGNC ID:** 468 **Species:** *Homo sapiens*

UniProt AC: P18848 **UniProt KB:** ATF4_HUMAN

Protein Sequence:

MKIEEHHHHHSSGKLGSTGGGLNDIFEAQKIEWHEEDLYFQSAAQPAEKLDKCLKKMEQNKTAATRYRQKKRAEQEALT
GECKELEKKNEALKERADSLAKEIQYLKDLIE

Tag N-terminus: MKIEEHHHHHSSGKLGSTGGGLNDIFEAQKIEWHEEDLYFQSAAQPA **Tag C-terminus:**

Vector Type: **Vector Link:**

Protein Sequence Position: 276-339 **Antigen source:** *E. coli* **Source Lab:** RAN **Source Lab ID:** Atf4 [2-78]

Description: affinity purified recombinant protein

Validation data

Spiked IP:

Status: Pass

Experimental Conditions: <http://recombinant-antibodies.org/protocols/spiked-IP>

Immunofluorescence:

Status: Pass

Experimental Conditions: <http://recombinant-antibodies.org/protocols/immunofluorescence>

IP-MS – immunoprecipitation for mass spectrometric analysis:

Status:

Experimental Conditions: <http://recombinant-antibodies.org/protocols/IP-MS>

ChIP – chromatin immunoprecipitation:

Status:

Experimental Conditions: Pending

IP – immunoprecipitation:

Status:

Experimental Conditions: Pending

SP Elisa:

Status:

Experimental Conditions: <http://recombinant-antibodies.org/protocols/ELISA-IC50-EC50-direct-coating>

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