



## Anti-Tumor necrosis factor receptor superfamily, member 6 isoform 1(FAS), Chicken-Polyclonal Antibody

**Catalog No.** PY-10177

**Antigen species:** Human

**Host species:** Chicken

**Quantity:** 100µg

**Reactivity:** Human

**Form:** Antigen affinity-purified antibody

**Applications:** Western blot

### Target description

This protein is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. At least eight alternatively spliced transcript variants encoding seven distinct isoforms have been described. The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform.

### Antigen

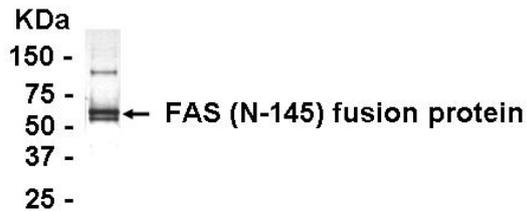
This polyclonal antibody was raised by immunizing chicken with FAS fusion protein (21-165 amino acids).

### Application

Western blotting, tissue or cell immunostaining. Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining is 1:200. Optimal working dilutions must be determined by the end user.

### Related Products

1. Anti-STAT1 beta, Chicken pAb (PY-10184)
2. Anti-STAT6, Chicken pAb (PY-10185)
3. Anti-Jun kinase (JNK2), Chicken pAb (PY-10198)
4. Anti-serine/ threonine protein kinase (AKT), Chicken pAb (PY-10176)
5. Anti-serine/threonine protein kinase1 (AKT1), Chicken pAb (PY-10178)



E coli-derived fusion protein as test antigen.

### Western blot Protocol

1. Block membrane with 5% non-fat milk in PBS-T for 1 hour at room temperature or longer at 4°C.
2. Incubate membrane with IgY antibodies at dilution of 1: 2,000 with 1% milk in PBS-T at R.T. for 1 h.
3. Rinse 3 times with PBS-T, then wash membrane with PBS-T, 5 min each, total of 3 times.
4. Incubate with 2nd antibody (goat-anti-IgY/Fc-*HRP*) at dilution 1: 1,000 for ECL (with 1% milk PBS-T) at R.T. for 1 h.
5. Rinse 3 times with PBS-T, then wash with PBS-T, 5 min each with shaking, total of 3 times.
6. Perform ECL detection of signal using Pierce ECL kit.

### Storage

It is supplied as antigen affinity purified antibody in lyophilized powder. Redissolve the powder with 100 microliter sterile water will restore to the original concentration 1mg/ml (1×PBS). Store at 4°C for short-term application. For long-term storage, aliquot and store at -20°C.

### References

1. Brunner, T. *et al* : Cell-autonomous Fas (CD95)/ Fas-ligand interaction mediates activation-induced apoptosis in T-cell hybridomas. *Nature* 373: 441-444, 1995.

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