

## DAP12 polyclonal antibody

Catalog: BS66171

Host: Rabbit

Reactivity: Human

**BackGround:**

DNAX-activating protein 12 (DAP12, TYROBP) is a signaling adaptor for several pathogen receptors expressed by cells of the innate immune system. The DAP12 protein structure consists of a short extracellular domain, a transmembrane domain, and a cytoplasmic immunoreceptor tyrosine-based activation motif (ITAM). DAP12 protein is expressed by hematopoietic cells, including NK cells, monocytes, macrophages, dendritic cells, mast cells, basophils, eosinophils, neutrophils, and some  $\gamma\delta$  T cells and NKT cells. DAP12 exists as a homodimer that associates with a variety of receptors involved in pathogen detection, including the KIR family of NK cell receptors. Ligand binding by DAP12-associated receptors results in phosphorylation of tyrosine residues within the DAP12 ITAM by Src family kinases and leads to activation of Syk or Zap-70 and downstream signaling responses.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 16 kDa

**Swiss-Prot:**

O43914

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

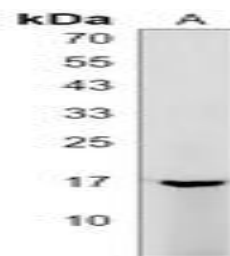
IHC: 1:50~1:200

**Storage&Stability:**

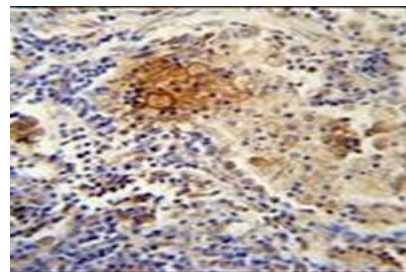
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

DAP12 polyclonal antibody detects endogenous levels of DAP12 protein.

**DATA:**

Western blot analysis of TYROBP expression in HepG2 (A) whole cell lysates.



Immunohistochemical analysis of TYROBP staining in human lung carcinoma formalin fixed paraffin embedded tissue section.

**Note:**

For research use only, not for use in diagnostic procedure.

**Bioworld Technology, Inc.**

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

**Bioworld technology, co. Ltd.**

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151