



3BP2 (SH3 Binding Protein 2). Sheep Polyclonal Antibody
Sh3bp2, SH3 domain-binding protein 2

BACKGROUND

3BP2 (SH3 binding protein 2) was identified as a protein binding to the SH3 domain of the Abl proto-oncogene. Murine 3BP2 cDNA encodes a 559 amino acid protein of 85 kDa consisting of an N-terminal PH domain, a C-terminal SH2 domain and intervening proline-rich sequences. 3BP2 interacts via its Sh2 domain with Syk family protein tyrosine kinases Syk, Zap70, Grb2, Cbl, PLC γ 1 and LAT in T lymphocytes and contributes to the transcriptional activation of NF-AT and AP-1. Mouse 3BP2 is 66% homologous to the human protein at the amino acid level.

ORDERING INFORMATION

CATALOG NUMBER
X1090P

SIZE
250 μ g

FORM
Unconjugated

HOST/CLONE
Sheep

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
IgG

APPLICATIONS
Western Blot

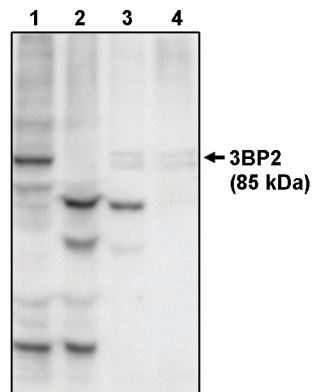
SPECIES REACTIVITY
Mouse

ACCESSION NUMBER
Human Q06649

IMMUNOGEN

Antibody developed using SH2 domain of the 3BP2 protein fused to GST.

Western blot analysis using anti-3BP2 at 10 μ g/ml on recombinant full length 3BP2 protein (1), 3BP2 protein minus the PH domain (2), 3BP2 protein minus the PR domain (3) and 3BP2 protein minus the SH2 domain (4).



POSITIVE CONTROL/TISSUE EXPRESSION

Recombinant 3BP2 protein

COMMENTS

Detects 3BP2 protein by Western blot analysis. Detects a 85 kDa band in murine fibroblasts transfected with 3BP2. Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Ammonium Sulfate Precipitation

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

1. Decker, M., et al. Adaptor function for the Syk kinases-interacting protein 3BP2 in IL-2 gene activation. *Immunity* 1998, 9, 595-605
2. Songyang, Z., et al. Specific motifs recognized by the SH2 domains of Csk, 3BP2, fps/fes, GRB-2, HCP, SHC, Syk and Vav. *Mol. Cell Biol.* 1994, 14, 2777-2785

PRODUCT SPECIFIC REFERENCES