

Antibody Quality Control of non-phospho antibodies:

Name of Antibody: TBK1 (human)

Sheep Number: S041C

Bleed Number: 1-2 (3rd bleed does not work)

Immuno Blotting: NOT TESTED

Immunoprecipitation: YES

Does it immunoprecipitate endogenous protein: YES, RAW264.7 (mouse cell line) and primary macrophages.

Amount used: 10 µg of bleed 1 or 2 with 1 mg of cell extract. Immunoblotted with a commercial antibody from Cell Signaling Technology. This antibody is routinely used to measure the protein kinase activity of TBK1 in cell extracts. The antibody does not detect IKK ϵ or other IKK isoforms.

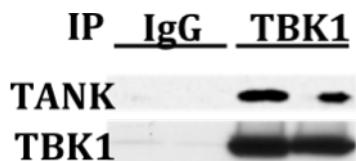
Immuno blotting after Immunoprecipitation: NOT TESTED

References:

Clark et al. (2009) Use of the Pharmacological Inhibitor BX795 to Study the Regulation and Physiological Roles of TBK1 and I κ B Kinase ϵ : A DISTINCT UPSTREAM KINASE MEDIATES SER-172 PHOSPHORYLATION AND ACTIVATION. J Biol Chem 284, pp. 14136-46

Clark et al. (2011) Novel cross-talk within the IKK family controls innate immunity. Biochem J. 434: 93-104.

Clark et al. (2011) The TRAF-associated protein TANK facilitates cross-talk within the I κ B kinase family during Toll-like receptor signalling. Proc. Natl. Acad. Sci. U. S. A. (in press)



Lysates of RAW264.7 macrophages (1 mg cell extract) were incubated with antibodies from non-immunised sheep (IgG) or antibodies against TBK1. The immunoprecipitates were washed, separated by SDS-PAGE and immunoblotted