

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 IKKε or other IKK isoforms.

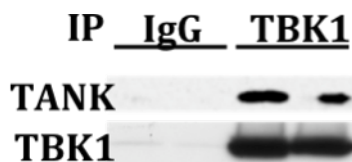
Immuno blotting after Immunoprecipitation: NOT TESTED

References:

Clark et al. (2009) Use of the Pharmacological Inhibitor BX795 to Study the Regulation and Physiological Roles of TBK1 and IκB 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 IκB 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