

35-1578: Polyclonal Antibody to P38 MAPK (Ab-182)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human,Mouse,Rat
Gene :	MAPK14
Gene ID :	1432
Uniprot ID :	Q16539
Format :	Purified
Alternative Name :	MAPK2, MAPKAPK-2, MAPKAPK2
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa. 180~184 (T-G-Y-V-A) derived from Human P38 MAPK.

Description

Responds to activation by environmental stress, pro-inflammatory cytokines and lipopolysaccharide (LPS) by phosphorylating a number of transcription factors, such as ELK1 and ATF2 and several downstream kinases, such as MAPKAPK2 and MAPKAPK5. Plays a critical role in the production of some cytokines, for example IL-6. May play a role in stabilization of EPO mRNA during hypoxic stress. Isoform Mxi2 activation is stimulated by mitogens and oxidative stress and only poorly phosphorylates ELK1 and ATF2. Isoform Exip may play a role in the early onset of apoptosis.

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 43kd, Western blotting: 1:500~1:1000

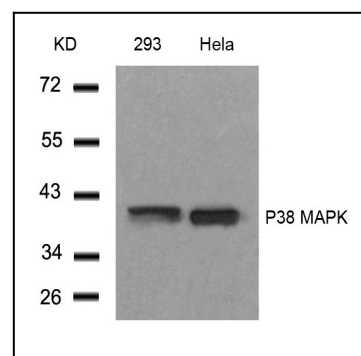


Figure 1: Western blot analysis of extracts from 293 and HeLa cells using P38 MAPK(Ab-182) Antibody 35-1578 .