Recombinant DGRmAb®

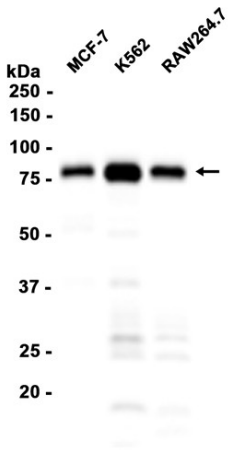
TAK1 (DGR14186) Rabbit mAb (PBS Only)

db12332-PBS **Package : 10μg 100μg**

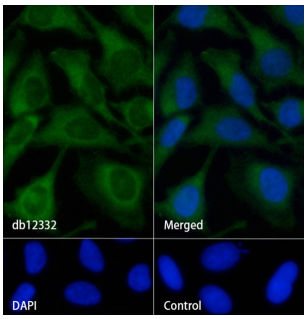
Product Name : TAK1 (DGR14186) Rabbit mAb (PBS Only)
Cat.No.: db12332-PBS
Synonyms : CSCF; FMD2; TAK1; MEKK7; TGF1a
Application : WB, IHC, ICC/IF, FC
Reactivity : Human, Mouse, Rat
Host species : Rabbit

Background	The protein encoded by this gene is a member of the serine/threonine protein kinase family. This kinase mediates the signaling transduction induced by TGF beta and morphogenetic protein (BMP), and controls a variety of cell functions including transcription regulation and apoptosis. In response to IL-1, this protein forms a kinase complex including TRAF6, MAP3K7P1/TAB1 and MAP3K7P2/TAB2; this complex is required for the activation of nuclear factor kappa B. This kinase can also activate MAPK8/JNK, MAP2K4/MKK4, and thus plays a role in the cell response to environmental stresses. Four alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human TAK1
Gene ID	6885
Swiss Prot	O43318
Synonyms	CSCF; FMD2; TAK1; MEKK7; TGF1a
Reactivity	Human, Mouse, Rat
Application	WB, IHC, ICC/IF, FC
Calculated MW	67 kDa
Observed MW	78 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14186
Isotype	IgG
Purity	Affinity Purification

Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Western blot analysis of extracts from MCF-7, K562, RAW264.7 cells using db12332 at 1:2000.



Immunofluorescence analysis of HeLa cells labelling TAK1 with db12332.

The cells were fixed with cold 100% methanol (10min, 4℃) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12332 (1:200) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.