Recombinant DGRmAb®

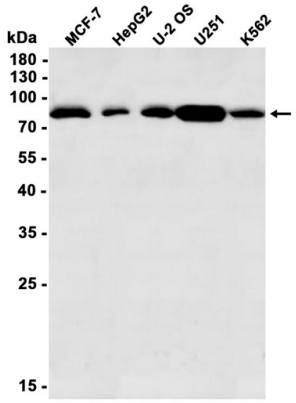
STAT1 (DGR19370) Rabbit mAb (PBS Only)

db12458-PBS **Package : 10μg 100μg**

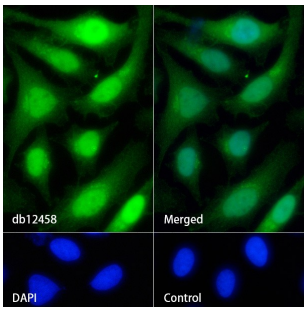
Product Name : STAT1 (DGR19370) Rabbit mAb (PBS Only)
Cat.No.: db12458-PBS
Synonyms : CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human
Host species : Rabbit

Background	The protein encoded by this gene is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein can be activated by various ligands including interferon-alpha, interferon-gamma, EGF, PDGF and IL6. This protein mediates the expression of a variety of genes, which is thought to be important for cell viability in response to different cell stimuli and pathogens. Two alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human STAT1
Gene ID	6772
Swiss Prot	P42224
Synonyms	CANDF7; IMD31A; IMD31B; IMD31C; ISGF-3; STAT91
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	87 kDa
Observed MW	87 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR19370
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, HepG2, U-2 OS, U251, K562 cells using db12458 at 1:500.



Immunofluorescence analysis of HeLa cells labelling STAT1 with db12458.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), 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 db12458 (1:100) 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.