

Recombinant

DGRmAb®

Fas (DGR18909) Rabbit mAb

db12190

Package : 10µL 20µL 50µL 100µL

Product Name : Fas (DGR18909) Rabbit mAb**Cat.No.:** db12190**Synonyms** : APT1; CD95; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6**Application** : WB, IHC-P, ICC/IF**Reactivity** : Human**Host species** : Rabbit**Background**

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor contains a death domain. It has been shown to play a central role in the physiological regulation of programmed cell death, and has been implicated in the pathogenesis of various malignancies and diseases of the immune system. The interaction of this receptor with its ligand allows the formation of a death-inducing signaling complex that includes Fas-associated death domain protein (FADD), caspase 8, and caspase 10. The autoproteolytic processing of the caspases in the complex triggers a downstream caspase cascade, and leads to apoptosis. This receptor has been also shown to activate NF-kappaB, MAPK3/ERK1, and MAPK8/JNK, and is found to be involved in transducing the proliferating signals in normal diploid fibroblast and T cells. Several alternatively spliced transcript variants have been described, some of which are candidates for nonsense-mediated mRNA decay (NMD). The isoforms lacking the transmembrane domain may negatively regulate the apoptosis mediated by the full length isoform. [provided by RefSeq, Mar 2011]

Immunogen

A synthetic peptide of human Fas

Gene ID

355

Swiss Prot

P25445

Synonyms

APT1; CD95; FAS1; APO-1; FASTM; ALPS1A; TNFRSF6

Reactivity

Human

Application

WB, IHC-P, ICC/IF

Recommended dilution

WB: 1:1000-1:5000

IHC-P: 1:200-1:500

ICC/IF: 1:200-1:500

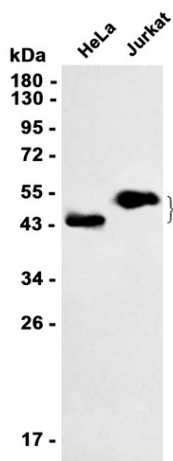
Calculated MW

38 kDa

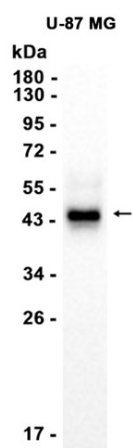
Observed MW

45 kDa

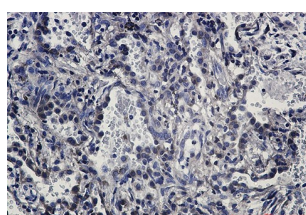
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR18909
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from HeLa, Jurkat cells using db12190 at 1:1000.



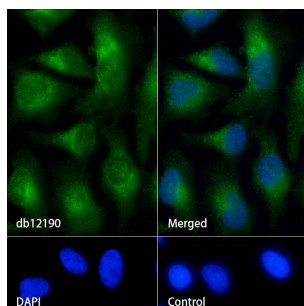
Western blot analysis of extracts from U-87 MG cells using db12190 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using db12190 antibody.



Immunofluorescent analysis of HL-60 cells using db12190 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling Fas with db12190.

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 db12190 (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.