Recombinant DGRmAb®

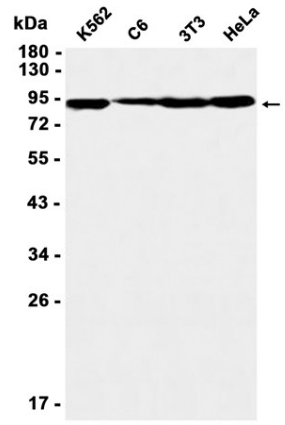
STAT5A/B (DGR13893) Rabbit mAb (PBS Only)

db12807-PBS **Package : 10μg 100μg**

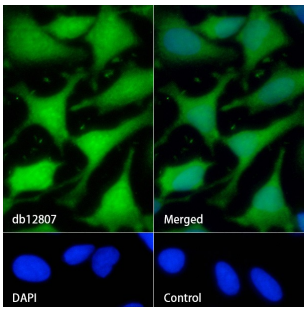
Product Name : STAT5A/B (DGR13893) Rabbit mAb (PBS Only)
Cat.No.: db12807-PBS
Synonyms : MGF; STAT5
Application : WB, IHC-P, ICC/IF, FC, IP
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	The protein encoded by this gene is a member of the STAT family of transcription factors. 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 is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin, thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Dec 2013]
Immunogen	Recombinant protein of human STAT5a
Gene ID	6776
Swiss Prot	P42230
Synonyms	MGF; STAT5
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC, IP
Calculated MW	90 kDa
Observed MW	90 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR13893
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.



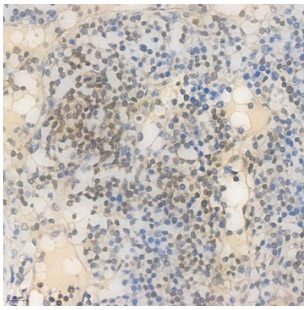
Western blot analysis of extracts from K562, C6, 3T3, and HeLa cells using db12807 at 1:1000.



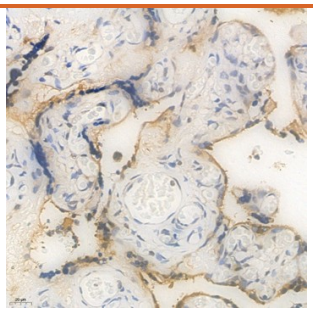
Immunofluorescence analysis of HeLa cells labelling STAT5A/B with db12807.

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 db12807 (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.

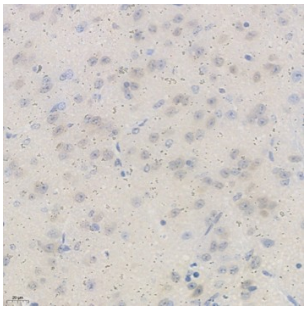
Control: Secondary antibody only.



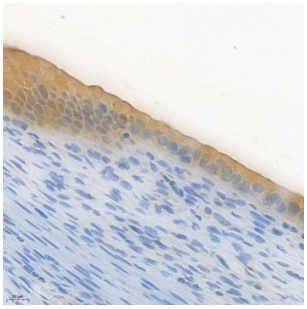
Immunohistochemical analysis of paraffin-embedded human lymph node carcinoma tissue labeling STAT5A/B with db12807. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human placental tissue labeling STAT5A/B with db12807. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue labeling STAT5A/B with db12807. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded rat uterine tissue labeling STAT5A/B with db12807. Counter stained with Hematoxylin.