Recombinant DGRmAb®

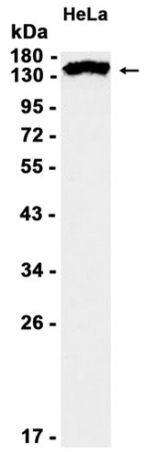
# ASK1 (DGR12284) Rabbit mAb

**db11021** **Package : 10μL 20μL 50μL 100μL**

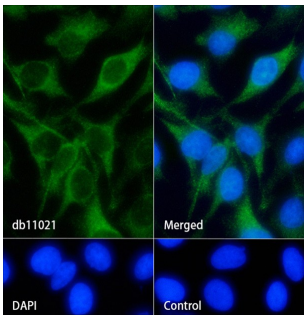
**Product Name :** ASK1 (DGR12284) Rabbit mAb
**Cat.No.:** db11021
**Synonyms :** ASK1; MEKK5; MAPKKK5
**Application :** WB, IHC-P, ICC/IF, FC
**Reactivity :** Human,Mouse
**Host species :** Rabbit

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|---|---|
| **Background** | Mitogen-activated protein kinase (MAPK) signaling cascades include MAPK or extracellular signal-regulated kinase (ERK), MAPK kinase (MKK or MEK), and MAPK kinase kinase (MAPKKK or MEKK). MAPKK kinase/MEKK phosphorylates and activates its downstream protein kinase, MAPK kinase/MEK, which in turn activates MAPK. The kinases of these signaling cascades are highly conserved, and homologs exist in yeast, Drosophila, and mammalian cells. MAPKKK5 contains 1,374 amino acids with all 11 kinase subdomains. Northern blot analysis shows that MAPKKK5 transcript is abundantly expressed in human heart and pancreas. The MAPKKK5 protein phosphorylates and activates MKK4 (aliases SERK1, MAPKK4) in vitro, and activates c-Jun N-terminal kinase (JNK)/stress-activated protein kinase (SAPK) during transient expression in COS and 293 cells; MAPKKK5 does not activate MAPK/ERK. [provided by RefSeq, Jul 2008] |
| **Immunogen** | A synthetic peptide of human ASK1 |
| **Gene ID** | 4217 |
| **Swiss Prot** | Q99683 |
| **Synonyms** | ASK1; MEKK5; MAPKKK5 |
| **Reactivity** | Human,Mouse |
| **Application** | WB, IHC-P, ICC/IF, FC |
| **Recommended dilution** | WB: 1:1000<br>IHC-P: 1:50<br>ICC/IF: 1:100-1:200<br>FC: 1:100 |
| **Calculated MW** | 155 kDa |
| **Observed MW** | 155 kDa |
| **Host species** | Rabbit |

| | |
|---|---|
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR12284 |
| **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. |



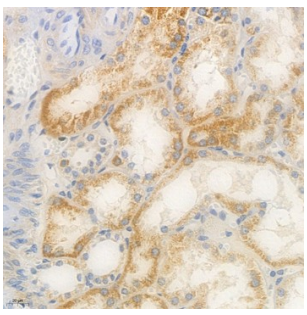

Western blot analysis of extracts from HeLa cells using db11021 at 1:1000.



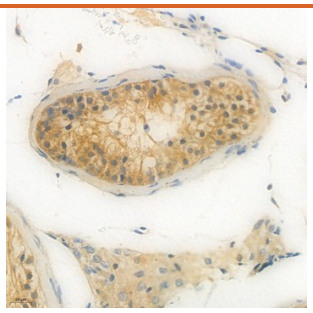

Immunofluorescence analysis of HeLa cells labelling ASK1 with db11021.

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 db11021 (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.

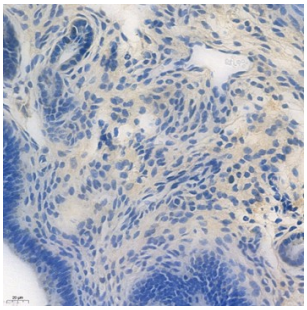
Control: Secondary antibody only.



Immunohistochemical analysis of paraffin-embedded human renal tissue labeling ASK1 with db11021. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human testicular tissue labeling ASK1 with db11021. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse uterine tissue labeling ASK1 with db11021. Counter stained with Hematoxylin.