Recombinant DGRmAb®

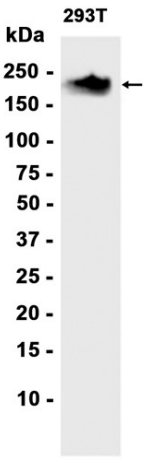
# Tuberin (DGR32325) Rabbit mAb (PBS Only)

**db12165-PBS** **Package : 10μg 100μg**

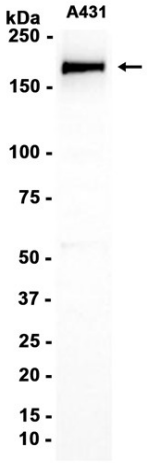
**Product Name :** Tuberin (DGR32325) Rabbit mAb (PBS Only)
**Cat.No.:** db12165-PBS
**Synonyms :** LAM; TSC4; PPP1R160
**Application :** WB, IHC, ICC/IF, FC, IP
**Reactivity :** Human
**Host species :** Rabbit

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|---|---|
| **Background** | Mutations in this gene lead to tuberous sclerosis complex. Its gene product is believed to be a tumor suppressor and is able to stimulate specific GTPases. The protein associates with hamartin in a cytosolic complex, possibly acting as a chaperone for hamartin. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008] |
| **Immunogen** | A synthetic peptide of human Tuberin |
| **Gene ID** | 7249 |
| **Swiss Prot** | P49815 |
| **Synonyms** | LAM; TSC4; PPP1R160 |
| **Reactivity** | Human |
| **Application** | WB, IHC, ICC/IF, FC, IP |
| **Calculated MW** | 201 kDa |
| **Observed MW** | 201 kDa |
| **Host species** | Rabbit |
| **Clonality** | Monoclonal |
| **Clonality No.** | DGR32325 |
| **Isotype** | IgG |
| **Purity** | Affinity Purification |
| **Conjugation** | Un-conjugated |
| **Concentration** | 1 mg/mL |
| **Formulation** | PBS Only |

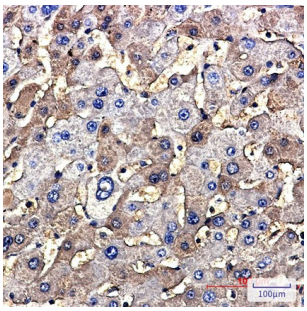
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| **Storage Stability** | Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt. |



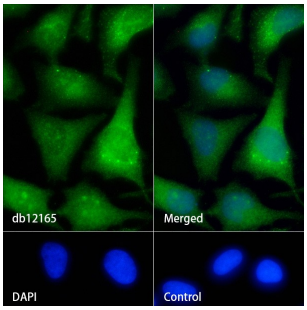

Western blot analysis of extracts from 293T cells using db12165 at 1:1000.




Western blot analysis of extracts from A431 cells using db12165 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human hepatic carcinoma using db12165 antibody.




Immunofluorescence analysis of HeLa cells labelling Tuberin with db12165.

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 db12165 (1:20) 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.