Recombinant DGRmAb®

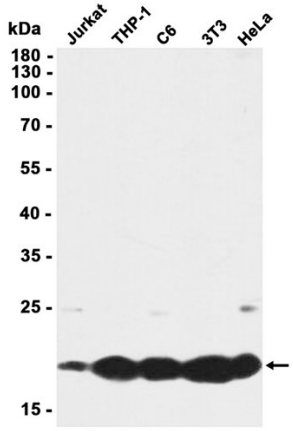
PUMA (DGR14872) Rabbit mAb (PBS Only)

db12341-PBS **Package : 10μg 100μg**

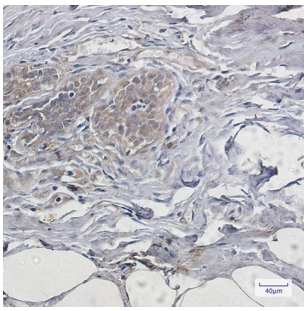
Product Name : PUMA (DGR14872) Rabbit mAb (PBS Only)
Cat.No.: db12341-PBS
Synonyms : JFY1; PUMA; JFY-1
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human
Host species : Rabbit

Background	This gene encodes a member of the BCL-2 family of proteins. This family member belongs to the BH3-only pro-apoptotic subclass. The protein cooperates with direct activator proteins to induce mitochondrial outer membrane permeabilization and apoptosis. It can bind to anti-apoptotic Bcl-2 family members to induce mitochondrial dysfunction and caspase activation. Because of its pro-apoptotic role, this gene is a potential drug target for cancer therapy and for tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]
Immunogen	A synthetic peptide of human PUMA
Gene ID	27113
Swiss Prot	Q9BXH1
Synonyms	JFY1; PUMA; JFY-1
Reactivity	Human
Application	WB, IHC-P, ICC/IF, FC
Calculated MW	21 kDa
Observed MW	21 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR14872
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated

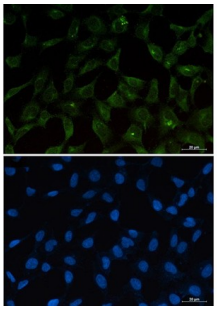
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



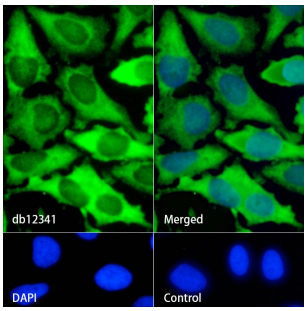
Western blot analysis of extracts from Jurkat, THP-1, C6, 3T3, HeLa cells using db12341 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human breast cancer using db12341 antibody.



Immunofluorescent analysis of 293T cells using db12341 antibody (green), and DAPI (blue).



Immunofluorescence analysis of HeLa cells labelling PUMA with db12341.

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 db12341 (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.