Recombinant DGRmAb®

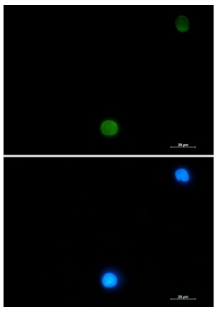
Ubiquitin (DGR32148) Rabbit mAb

db11104 **Package : 10μL 20μL 50μL 100μL**

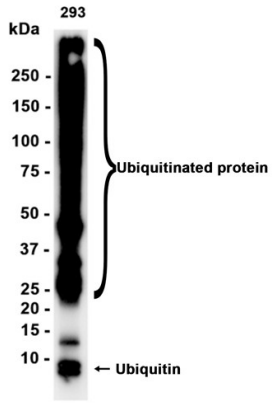
Product Name : Ubiquitin (DGR32148) Rabbit mAb
Cat.No.: db11104
Synonyms : HEL-S-50
Application : WB, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteosome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Immunogen	A synthetic peptide of human Ubiquitin
Gene ID	7314
Swiss Prot	P0CG47
Synonyms	HEL-S-50
Reactivity	Human,Mouse,Rat
Application	WB, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 ICC/IF: 1:200-1:500 FC: 1:100-1:1000
Calculated MW	8 kDa
Observed MW	8 kDa
Host species	Rabbit

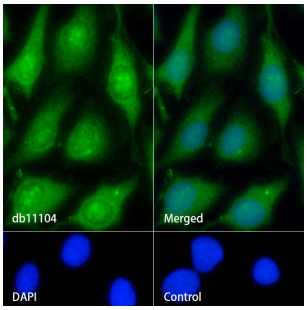
Clonality	Monoclonal
Clonality No.	DGR32148
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Immunofluorescent analysis of CEM cells using db11104 antibody (green), and DAPI (blue).



Western blot analysis of extracts from 293 cells using db11104 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Ubiquitin with db11104.

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 db11104 (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.