Recombinant DGRmAb®

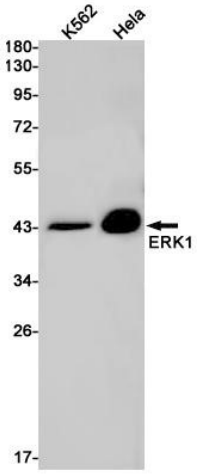
ERK1 (DGR16077) Rabbit mAb

db14725 **Package : 10μL 20μL 50μL 100μL**

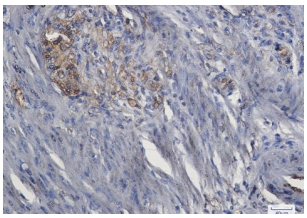
Product Name : ERK1 (DGR16077) Rabbit mAb
Cat.No.: db14725
Synonyms : ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
Application : WB, IHC, ICC/IF, FC, IP
Reactivity : Human, Mouse
Host species : Rabbit

Background	The protein encoded by this gene is a member of the MAP kinase family. MAP kinases, also known as extracellular signal-regulated kinases (ERKs), act in a signaling cascade that regulates various cellular processes such as proliferation, differentiation, and cell cycle progression in response to a variety of extracellular signals. This kinase is activated by upstream kinases, resulting in its translocation to the nucleus where it phosphorylates nuclear targets. Alternatively spliced transcript variants encoding different protein isoforms have been described. [provided by RefSeq, Jul 2008]
Immunogen	A synthetic peptide of human ERK1
Gene ID	5595
Swiss Prot	P27361
Synonyms	ERK1; ERT2; ERK-1; PRKM3; P44ERK1; P44MAPK; HS44KDAP; HUMKER1A; p44-ERK1; p44-MAPK
Reactivity	Human, Mouse
Application	WB, IHC, ICC/IF, FC, IP
Recommended dilution	WB: 1:1000 IHC: 1:50-1:200 ICC/IF: 1:200-1:500 FC: 1:50 IP: 1:20
Calculated MW	43 kDa
Observed MW	44 kDa
Host species	Rabbit

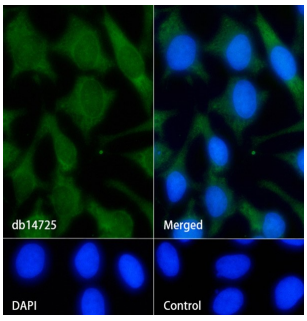
Clonality	Monoclonal
Clonality No.	DGR16077
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot detection of ERK1 in K562,Hela cell lysates using ERK1 antibody(1:1000 diluted).



Immunohistochemical analysis of paraffin-embedded human colon cancer using db14725 antibody.



Immunofluorescence analysis of HeLa cells labelling ERK1 with db14725.

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 db14725 (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.