

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

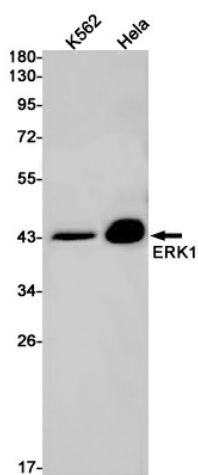
**Observed MW**

44 kDa

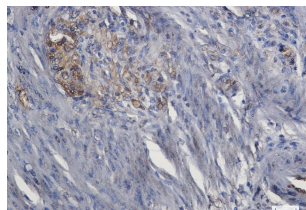
**Host species**

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.