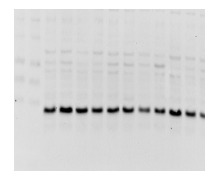


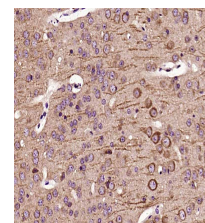
Product Datasheet

ERK1/2(Thr202 + Tyr204) Antibody GRP501

Description	p44/42 MAP Kinase(Thr202); ERK (extracellular signal regulated kinase), also known as MAPK (mitogen activated protein kinase) has two closely related isoforms of 44 kDa and 42 kDa, respectively. These kinases belong to a family of serine/threonine kinases that are activated upon treatment of cells with a large variety of stimuli including mitogens, hormones, growth factors, cytokines, and bioactive peptides. Cell stimulation induces the activation of a signaling cascade, the downstream effects of which have been linked to the regulation of cell growth and differentiation as well as the cytoskeleton. ERK1 and ERK2 are phosphorylated within the activation loop on both a Threonine and a Tyrosine residue (within a Thr-Glu-Tyr motif) by MEKs (MAPK/ERK kinases), thereby greatly elevating the activity of ERK1&2.
Species/Host	Rabbit
Reactivity	Human, Mouse, Rat, Bovine
Conjugation	Unconjugated
Tested Applications	IHC-P, WB
Immunogen	KLH conjugated synthetic phosphopeptide derived from human p44/42 MAPK around the phosphorylation site of (Thr202/Tyr204; (public_immunogen_range: 196-210/379)
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.
Concentration	1ug/ul
Storage	Store at -20°C for 12 months.
Note	For research use only.
Isotype	IgG
Clonality	Polyclonal
Purity	Purified by Protein A.
Uniprot ID	P27361
Entrez	5595
Dilution Range	WB: 1:300-1000, IHC-P: 1:200-400



WB of GRP501



IHC-P of GRP501