

Erk1(Phospho-T202)+Erk2(Phospho-T185) Conjugated Antibody

Catalog No: #C13340

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Package Size: #C13340-AF350 100ul #C13340-AF405 100ul #C13340-AF488 100ul

#C13340-AF555 100ul #C13340-AF594 100ul #C13340-AF647 100ul

#C13340-AF680 100ul #C13340-AF750 100ul #C13340-Biotin 100ul

Description

Product Name	Erk1(Phospho-T202)+Erk2(Phospho-T185) Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	1810013K23Rik antibody Apg 7 antibody APG7 autophagy 7 like antibody APG7 autophagy 7-like (S. cerevisiae) antibody APG7 like antibody APG7, S. cerevisiae, homolog of antibody APG7-like antibody APG7L antibody ATG 7 antibody ATG12-activating enzyme E1 ATG7 antibody ATG7 antibody ATG7 autophagy related 7 homolog (S. cerevisiae) antibody ATG7 autophagy related 7 homolog antibody ATG7_HUMAN antibody Atg7l antibody Autophagy 7, S. cerevisiae, homolog of antibody Autophagy related protein 7 antibody Autophagy-related 7 (yeast) antibody Autophagy-related protein 7 antibody DKFZp434N0735 antibody GSA 7 antibody GSA7 antibody hAGP7 antibody Ubiquitin activating enzyme E1 like protein antibody Ubiquitin-activating enzyme E1-like protein antibody Ubiquitin-like modifier-activating enzyme ATG7 antibody
Accession No.	Swiss-Prot#:O95352
Uniprot	O95352
GeneID	10533;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	78
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

In yeast, autophagy is an essential process for survival during nutrient starvation and cell differentiation. The process of autophagy is characterized as a non-selective degradation of cytoplasmic proteins into membrane structures called autophagosomes, and it is dependent on several proteins, including the autophagy proteins APG5 and APG7. Yeast Apg7 and the human homolog, APG7, share similarities with the ubiquitin-activating enzyme E1 in *Saccharomyces cerevisiae*, and are likewise responsible for enzymatically activating the autophagy conjugation system. Apg5 and the human homolog, APG5 (also designated apoptosis specific protein or APS), function as substrates for the autophagy protein APG12. These proteins are covalently bonded together to form APG12/APG5 conjugates, which are required for the progression of autophagy.

Note: This product is for in vitro research use only