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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Product Number	ARP54265_P050-HRP
Product Page	www.avivasysbio.com/atg12-antibody-middle-region-hrp-arp54265-p050-hrp.html
Name	ATG12 Antibody - middle region : HRP (ARP54265_P050-HRP)
Protein Size (# AA)	187 amino acids
Molecular Weight	21kDa
Conjugation	HRP: Horseradish Peroxidase
NCBI Gene Id	9140
Host	Rabbit
Clonality	Polyclonal
Concentration	0.5 mg/ml
Gene Full Name	ATG12 autophagy related 12 homolog (S. cerevisiae)
Alias Symbols	APG12, FBR93, APG12L, HAPG12
Peptide Sequence	Synthetic peptide located within the following region: KFLKLVASEQLFIYVNQSFAPSPDQEVGILYECFGSDGKLVLYHCKSQAW
Product Format	Liquid. Purified antibody is supplied in high phosphate PBS, 100 mM phosphate, 150 mM NaCl, pH 7.6.
Description of Target	Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).
Protein Interactions	CRX; WIP1; FADD; EXOC4; Atg10; ATG3; ATG5; CAV1; ATG16L1; WDFY3; APP; BCL2; MCL1; TECPR1; UBC; ATG7; ATG4B; GABARAP; MAP1B; KRTAP4-12; PLSCR1; MDF1; PTK2; DHX36; OTUD4; SF3B1; SF3A1; AUP1;
Reconstitution and Storage	All conjugated antibodies should be stored in light-protected vials or covered with a light protecting material (i.e. aluminum foil). Conjugated antibodies are stable for at least 12 months at 4C. If longer storage is desired (24 months), conjugates may be diluted with up to 50% glycerol and stored at -20C to -80C. Freezing and thawing conjugated antibodies will compromise enzyme activity as well as antibody binding.
Datasheets/Manuals	Printable datasheet for anti-ATG12 (ARP54265_P050-HRP) antibody
Blocking Peptide	For anti-ATG12 (ARP54265_P050-HRP) antibody is Catalog # AAP54265 (Previous Catalog # AAPP44344)
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human ATG12
Uniprot ID	O94817
Protein Name	Ubiquitin-like protein ATG12
Sample Type Confirmation	ATG12 is strongly supported by BioGPS gene expression data to be expressed in 721_B
Protein Accession #	NP_004698
Purification	Affinity Purified
Nucleotide Accession #	NM_004707
Gene Symbol	ATG12
Predicted Species Reactivity	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Horse, Zebrafish
Application	WB, IHC

Predicted Homology Based on Immunogen Sequence	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 100%
Image 1	

AVIVA SYSTEMS BIOLOGY manufactures and sells quality antibody products covering genome wide proteins.

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.