Anaphase-Promoting Complex Subunit 2 (ANAPC2) ELISA Kit for Sheep

PRODUCT OVERVIEW

Product Name	Anaphase-promoting complex subunit 2 (ANAPC2), ELISA Kit
Full Product Name	Sheep Anaphase-promoting complex subunit 2 (ANAPC2) ELISA Kit
Product Gene Name	ANAPC2 elisa kit
Species Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	93,469 Da
OMIM	606946
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for ANAPC2 elisa kit	Cell Biology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for ANAPC2 elisa kit	MBS7250234 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Anaphase-promoting complex subunit 2 (ANAPC2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ANAPC2. The ELISA analytical biochemical technique of the MBS7250234 kit is based on ANAPC2 antibody-ANAPC2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ANAPC2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ANAPC2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ANAPC2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ANAPC2. It may not necessarily be applicable to this product.

NCBI GI #	7019327
NCBI GeneID	29882
NCBI Accession #	NP_037498.1
UniProt Secondary Accession #	Q5VSG1; Q96DG5; Q96GG4; Q9P2E1
UniProt Related Accession #	Q9UJX6
GenBank Nucleotide #	NM_013366.3
NCBI Official Full Name	anaphase-promoting complex subunit 2
NCBI Official Synonym Full Names	anaphase promoting complex subunit 2

NCBI Official Symbol	ANAPC2
NCBI Official Synonym Symbols	APC2
UniProt Protein Name	Anaphase-promoting complex subunit 2
UniProt Synonym Protein Names	Cyclosome subunit 2
Protein Family	Anaphase-promoting complex
UniProt Gene Name	ANAPC2
UniProt Synonym Gene Names	APC2; KIAA1406; APC2
UniProt Entry Name	ANC2_HUMAN
NCBI Protein Information	anaphase-promoting complex subunit 2; cyclosome subunit 2
NCBI Summary for ANAPC2	A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The composition of the APC is highly conserved in organisms from yeast to humans. The product of this gene is a component of the complex and shares sequence similarity with a recently identified family of proteins called cullins, which may also be involved in ubiquitin-mediated degradation. [provided by RefSeq, Jul 2008]
UniProt Comments for ANAPC2	APC2: Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. Belongs to the cullin family. The APC/C is composed of at least 12 subunits. Interacts through the cullin domain with ANAPC11 and with UBCH10. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Ubiquitin conjugating system; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 9q34.3 Cellular Component: nucleoplasm; anaphase-promoting complex; cytosol Molecular Function: ubiquitin protein ligase binding Biological Process: positive regulation of ubiquitin-protein ligase activity during mitotic cell cycle; mitosis; negative regulation of ubiquitin-protein ligase activity during mitotic cell cycle; regulation of ubiquitin-protein ligase activity during mitotic cell cycle; cell division; anaphase-promoting complex-dependent proteasomal ubiquitin-dependent protein catabolic process; positive regulation of axon extension; mitotic cell cycle spindle assembly checkpoint; positive regulation of synaptic plasticity; mitotic cell cycle; positive regulation of dendrite morphogenesis
Research Articles on ANAPC2	**1.** anaphase-promoting complex (APC)-2-cell cycle and apoptosis regulatory protein (CARP)-1 interaction antagonists are novel regulators of cell growth and apoptosis
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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