

## eIF-2a (Phospho-Ser 52) Conjugated Antibody

Catalog No: #C13325



Package Size: #C13325-AF350 100ul #C13325-AF405 100ul #C13325-AF488 100ul  
 #C13325-AF555 100ul #C13325-AF594 100ul #C13325-AF647 100ul  
 #C13325-AF680 100ul #C13325-AF750 100ul #C13325-Biotin 100ul

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## Description

Product Name	eIF-2a (Phospho-Ser 52) Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Ms
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	C6orf156 antibody FLOPED antibody HOEP19 antibody KH homology domain-containing protein 2 antibody KHDC2 antibody Oocyte expressed protein antibody Oocyte- and embryo-specific protein 19 antibody Oocyte-expressed protein homolog antibody OOEP antibody OOEP_HUMAN antibody
Accession No.	Swiss-Prot#:Q9CWE6
Uniprot	Q9CWE6
GeneID	67968;
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
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

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OOEP (oocyte-expressed protein homolog), also known as KHDC2 (KH homology domain-containing protein 2) or OEP19 (oocyte- and embryo-specific protein 19), is a 149 amino acid cytoplasmic protein that belongs to the KHDC1 family and contains one KH domain. As a member of the subcortical maternal complex (SCMC), OOEP is necessary for zygotes to progress beyond the first embryonic cell divisions. In addition to OOEP, the SCMC includes NALP5 and TLE6. The gene that encodes OOEP consists of approximately 26,579 bases and maps to human chromosome 6q13. With 170 million base pairs, chromosome 6 comprises nearly 6% of the human genome. Deletion of a portion of the q arm of chromosome 6 is associated with early onset intestinal cancer, suggesting the presence of a cancer susceptibility locus. Additionally, Porphyria cutanea tarda, Parkinson's disease, Stickler syndrome and a susceptibility to bipolar disorder are all associated with genes that map to chromosome 6.

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Note: This product is for in vitro research use only