

Rabbit anti-Human HMCES Polyclonal Antibody | anti-HMCES antibody

Rabbit anti-HMCES Antibody, Affinity Purified

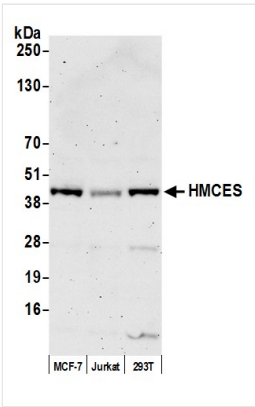
CATALOG # AAA213462	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

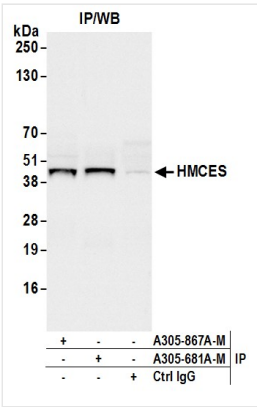
HMCES; Polyclonal Antibody; Rabbit anti-HMCES Antibody; Affinity Purified; 5-hydroxymethylcytosine (hmC) binding; ES cell-specific; SRAPD1; SRAP domain-containing protein 1; SOS response associated peptidase domain containing 1; putative peptidase SRAPD1; ES cell-specific 5hmC-binding protein; embryonic stem cell-specific 5-hydroxymethylcytosine-binding protein; C3orf37; UPF0361 protein C3orf37; DC12; Embryonic stem cell-specific 5-hydroxymethylcytosine-binding protein; 5-hydroxymethylcytosine binding; ES cell specific; anti-HMCES antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-HMCES antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Orangutan
Immunogen	Between 304 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)
Detection of human HMCES by western blot. Samples: Whole cell lysate (50 ug) from MCF-7, Jurkat, and HEK293T cells prepared using NETN lysis buffer. Antibody: Affinity purified Rabbit anti-HMCES antibody (AAA213462 lot 1) used for WB at 0.1 mg/ml. Secondary: HRP-conjugated goat anti-rabbit IgG . Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)
Detection of human HMCES by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from MCF7 cells prepared using NETN lysis buffer. Antibodies: Affinity purified Rabbit anti-HMCES antibody (AAA213462 lot 1) used for IP at 2 ug per reaction. HMCES was also immunoprecipitated by rabbit anti-HMCES antibody For blotting immunoprecipitated HMCES, AAA213462 was used at 0.1 mg/ml. Detection: Chemiluminescence with an exposure time time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-HMCES antibody	HMCES specifically binds 5-hydroxymethylcytosine (5hmC)-containing DNA in stem cells, suggesting that it acts as a specific reader of 5hmC in stem cells (By similarity) [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/Q96FZ2].
Product Categories/Family for anti-HMCES antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GeneID	56941
UniProt Accession #	Q96FZ2
UniProt Protein Name	Embryonic stem cell-specific 5-hydroxymethylcytosine-binding protein
UniProt Gene Name	HMCES
UniProt Synonym Gene Names	C3orf37; DC12; SRAPD1; ES cell-specific 5hmC-binding protein
UniProt Entry Name	HMCES_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.