



Anti-ERAP2 monoclonal antibody (DCABH-11440)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Aminopeptidases hydrolyze N-terminal amino acids of proteins or peptide substrates. Major histocompatibility complex (MHC) class I molecules rely on aminopeptidases such as ERAP1 (MIM 606832) and LRAP to trim precursors to antigenic peptides in the endoplasmic reticulum (ER) following cleavage in the cytoplasm by tripeptidyl peptidase II (TPP2; MIM 190470) (Tanioka et al., 2003 [PubMed 12799365]).
Immunogen	A synthetic peptide of human ERAP2 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	Western Blot (Transfected lysate); ELISA
Buffer	In 1x PBS, pH 7.4
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [ERAP2 endoplasmic reticulum aminopeptidase 2 \[Homo sapiens \]](#)

Official Symbol	ERAP2
Synonyms	ERAP2; endoplasmic reticulum aminopeptidase 2; L RAP; leukocyte derived arginine aminopeptidase; LRAP; leukocyte-derived arginine aminopeptidase; L-RAP; FLJ23633; FLJ23701; FLJ23807;
Entrez Gene ID	64167
Protein Refseq	NP_001123612
UniProt ID	B2R769
Chromosome Location	5q15
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem; Immune System, organism-specific biosystem.
Function	aminopeptidase activity; metal ion binding; metallopeptidase activity; peptidase activity; zinc ion binding;