



Anti-PLAU monoclonal antibody, clone 305323 (DCABY-4015)

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

PRODUCT INFORMATION

Antigen Description	u-Plasminogen Activator (uPA) is a serine protease that converts plasminogen to plasmin, with roles in a variety of normal and pathological processes that include cell migration and tissue destruction. uPA is a potent marker of invasion and metastasis in a variety of human cancers including breast, stomach, colon, bladder, ovarian, brain, and endometrium.
Specificity	Detects human u-Plasminogen Activator (uPA)/Urokinase Catalytic Domain in direct ELISAs and Western blots. In Western blots under reducing conditions, it reacts with the catalytic domain (Bchain) only. In Western blots under non-reducing conditions, it reacts with the Bchain and disulfide bond-linked B and Achains. In direct ELISAs, no cross-reactivity with recombinant human(rh)FactorX, rhHGFA, rhKLK-3, -4, -5, -6, -8, -10, -11, rhThrombin, or recombinant mouse WIF-1 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human u-Plasminogen Activator (uPA)/Urokinase Catalytic Domain. Ser21-Leu431 Accession Number P00749
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	305323
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	Western Blot, Immunoprecipitation, ELISA Capture (Matched Pair)
Format	Liquid

Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	PLAU plasminogen activator, urokinase [Homo sapiens (human)]
Official Symbol	PLAU
Synonyms	PLAU; plasminogen activator, urokinase; ATF; QPD; UPA; URK; u-PA; BDPLT5; urokinase-type plasminogen activator; U-plasminogen activator; plasminogen activator, urinary;
Entrez Gene ID	5328
Protein Refseq	NP_001138503
UniProt ID	P00749
Chromosome Location	10q22.2
Pathway	ATF-2 transcription factor network; Blood Clotting Cascade; Complement and Coagulation Cascades; Complement and coagulation cascades; DNA damage response (only ATM dependent); Dissolution of Fibrin Clot; E2F transcription factor network; Endochondral Ossi
Function	protein binding; serine-type endopeptidase activity;