

Rabbit anti-Human MLST8 Polyclonal Antibody | anti-MLST8 antibody

Anti-MLST8 Antibody, Rabbit Polyclonal

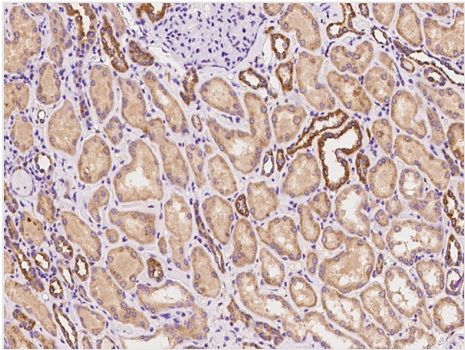
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256435	Rabbit	Human	Immunoprecipitation, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MLST8; Polyclonal Antibody; Anti-MLST8 Antibody; Rabbit Polyclonal; MLST8 Antibody; Rabbit PAb; Antigen Affinity Purified; MTOR associated protein; LST8 homolog; Anti-GbetaL Antibody; Anti-GBL Antibody; Anti-LST8 Antibody; Anti-POP3 Antibody; Anti-WAT1 Antibody; anti-MLST8 antibody

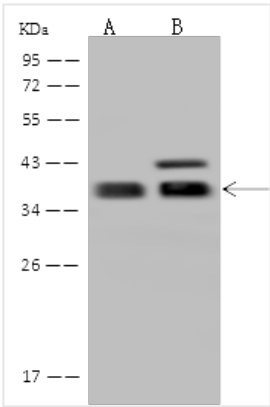
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human MLST8
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-MLST8 antibody	IP (Immunoprecipitation), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived Human MLST8 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human MLST8 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IHC (Immunohistochemistry)
Immunochemical staining of human MLST8 in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.

IP (Immunoprecipitation)
MLST8 was immunoprecipitated using: Lane A: 0.5 mg U-251 MG Whole Cell Lysate 4 uL anti-MLST8 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-MLST8 rabbit polyclonal antibody, at 1:100 dilution. Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa. Observed band size: 35 kDa.



WB (Western Blot)
Anti-MLST8 rabbit polyclonal antibody at 1:500 dilution. Lane A: HeLa Whole Cell Lysate. Lane B: U-251 MG Whole Cell Lysate. Lysates/proteins at 30 ug per lane. Secondary: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 35 kDa. Observed band size: 38 kDa. (We are unsure as to the identity of these extra bands.)

ADDITIONAL INFORMATION

Related Product Information for anti-MLST8 antibody	mTOR is a serine/threonine kinase that acts in two distinct complexes, mTORC1 and mTORC2, and is dysregulated in many diseases including cancer. mLST8 is a shared component of both mTORC1 and mTORC2. Mammalian lethal with SEC13 protein 8 (mLST8), is an indispensable protein subunit of mammalian target of rapamycin (mTOR) signaling pathway that interacts with the kinase domain of mTOR protein, thereby stabilizing its active site.
Product Categories/Family for anti-MLST8 antibody	Autophagy Pathway
References	Sapam TD, et al. (2018) Identifying novel small molecule antagonists for mlst8 protein using computational approaches. J Recept Signal Transduct Res 38 (1): 1-11. Hwang Y, et al. (2019) Disruption of the scaffolding function of mlst8 selectively inhibits mtorc2 assembly and function and suppresses mtorc2-dependent tumor growth in vivo. Cancer Res 79 (13): 3178-3184.

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.