

Store at
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#34858**SLFN11 (D8W1B) Rabbit mAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications: W, IP, IHC-Bond, IHC-P, FC-FP	Reactivity: H	Sensitivity: Endogenous	MW (kDa): 100	Source/Isotype: Rabbit IgG	UniProt ID: #Q7Z7L1	Entrez-Gene Id: 91607
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Product Usage Information**Application**

Western Blotting
Immunoprecipitation
IHC Leica Bond
Immunohistochemistry (Paraffin)
Flow Cytometry (Fixed/Permeabilized)

Dilution

1:1000
1:100
1:100 - 1:400
1:100 - 1:400
1:400 - 1:1600

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

For a carrier free (BSA and azide free) version of this product see product #24571.

Specificity/Sensitivity

SLFN11 (D8W1B) Rabbit mAb recognizes endogenous levels of total SLFN11 protein. Non-specific staining was observed in skeletal muscle.

Source / Purification

Monoclonal antibody is produced by immunizing animals with recombinant protein specific to human SLFN11 protein.

Background

SLFN11 is a nuclear protein that belongs to the Schlafen (SLFN) family of genes involved in cell cycle regulation and growth inhibition (1,2). Expression of SLFN11 predicts sensitivity of cancer cell lines to DNA-damaging agents (1,3). Evidence suggests that in the presence of DNA-targeted therapies, SLFN11 is recruited to stressed replication forks where it blocks replication, leading to cell death (4). SLFN11 is being explored as a predictive biomarker for response to DNA-targeted therapies (5).

Background References

1. Zoppoli, G. et al. (2012) *Proc Natl Acad Sci U S A* 109, 15030-5.
2. Katsoulidis, E. et al. (2010) *J Biol Chem* 285, 40333-41.
3. Barretina, J. et al. (2012) *Nature* 483, 603-7.
4. Murai, J. et al. (2018) *Mol Cell* 69, 371-384.e6.
5. Ballestrero, A. et al. (2017) *J Transl Med* 15, 199.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation **IHC-Bond:** IHC Leica Bond **IHC-P:** Immunohistochemistry (Paraffin) **FC-FP:** Flow Cytometry (Fixed/Permeabilized)

Cross-Reactivity Key

H: Human

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