

anti- SESN1 antibody

Product Information

| | |
|---------------|---|
| Catalog No.: | FNab07759 |
| Size: | 100µg |
| Form: | liquid |
| Purification: | Immunogen affinity purified |
| Purity: | ≥95% as determined by SDS-PAGE |
| Host: | Rabbit |
| Clonality: | polyclonal |
| Clone ID: | None |
| IsoType: | IgG |
| Storage: | PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.) |

Background

Functions as an intracellular leucine sensor that negatively regulates the TORC1 signaling pathway through the GATOR complex. In absence of leucine, binds the GATOR subcomplex GATOR2 and prevents TORC1 signaling. Binding of leucine to SESN2 disrupts its interaction with GATOR2 thereby activating the TORC1 signaling pathway(PubMed:25263562, PubMed:26449471). This stress-inducible metabolic regulator may also play a role in protection against oxidative and genotoxic stresses(By similarity). May positively regulate the transcription by NFE2L2 of genes involved in the response to oxidative stress by facilitating the SQSTM1-mediated autophagic degradation of KEAP1(PubMed:23274085). May have an alkyhydroperoxide reductase activity born by the N-terminal domain of the protein(By similarity). Was originally reported to contribute to oxidative stress resistance by reducing PRDX1(PubMed:15105503). However, this could not be confirmed(By similarity).

Immunogen information

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|--------------|-----------|
| Immunogen: | sestrin 1 |
| Synonyms: | PA26, |
| Observed MW: | 66-68 kDa |
| UniprotID : | Q9Y6P5 |

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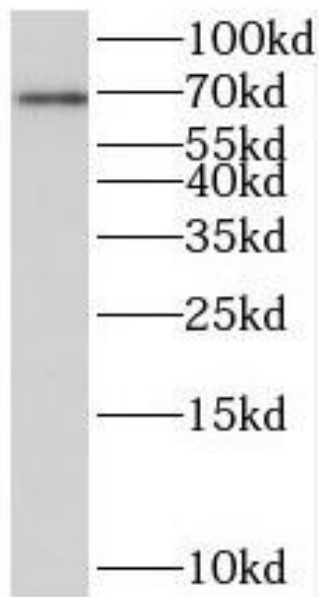
Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



human skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab07759(SESN1 antibody) at dilution of 1:500

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