Nrf2 protein

CatalogNo: YD0126

Key Features

Reactivity
- Human

Applications
- WB,SDS-PAGE

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage*	-20°C/6 month,-80°C for long storage
Formulation	Liquid in PBS

Basic Information

Source	E.coli
Purification	E.coli
Purity	SDS-PAGE >90%

Immunogen Information

Squence	Amino acid: 331-605, with his-MBP tag.

Target Information

Gene name	NFE2L2 NRF2

Protein Name Nrf2 protein

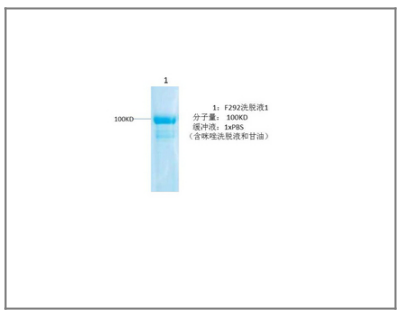
Organism	Gene ID	UniProt ID
Human	4780;	Q16236;
Mouse		Q60795;

Cellular Localization Cytoplasm, cytosol . Nucleus . Cytosolic under unstressed conditions: ubiquitinated and degraded by the BCR(KEAP1) E3 ubiquitin ligase complex (PubMed:15601839, PubMed:21196497). Translocates into the nucleus upon induction by electrophilic agents that inactivate the BCR(KEAP1) E3 ubiquitin ligase complex (PubMed:21196497). .

Tissue specificity Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.

Function transcription, transcription, DNA-dependent, regulation of transcription, DNA-dependent, transcription from RNA polymerase II promoter, ER-nuclear signaling pathway, response to unfolded protein, positive regulation of biosynthetic process, response to organic substance, positive regulation of macromolecule biosynthetic process,positive regulation of macromolecule metabolic process, positive regulation of gene expression, endoplasmic reticulum unfolded protein response, positive regulation of cellular biosynthetic process, RNA biosynthetic process, cellular response to stress, cellular response to unfolded protein, response to endoplasmic reticulum stress, regulation of transcription, positive regulation of transcription, DNA-dependent, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolic process, positive regulation of transcription, regulation of embryonic development, positive regulation of nitrogen compound metabolic process, regulation of RNA metabolic process,positive regulation of RNA metabolic process, response to protein stimulus,

Validation Data



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