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K63-linked Tri-Ubiquitin recombinant protein

K63-linked Tri-Ubiquitin
Catalog # PBV10652r

Specification

K63-linked Tri-Ubiquitin recombinant protein - Product info

Concentration	**2.5**
Calculated MW	**25.686 kDa (Band migrates faster on gels) KDa**

K63-linked Tri-Ubiquitin recombinant protein - Additional Info

Assay&Purity	**Western Blot; ≥95%**
Assay2&Purity2	**N/A;**

Format
Liquid

Storage
-80°C; 2.5 mg/ml in 20 mM Tris-HCl, pH 7.5, 0.15 M NaCl and 1 mM EDTA.

K63-linked Tri-Ubiquitin recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

K63-linked Tri-Ubiquitin recombinant protein - Images

K63-linked Tri-Ubiquitin recombinant protein - Background

Poly-ubiquitination of target proteins through K63 has recently become the focus of intense study. The topology of this linkage type is quite different from polyubiquitin linked through lysine 48. Modification of proteins by K63-linked polyubiquitination has been implicated in, among other cellular processes, the regulation of the DNA damage response, endosomal sorting, autophagy of misfolded/aggregated proteins, and neurodegeneration. These tri-ubiquitin chains are generated from the enzymatic linkage of wild-type ubiquitin through lysine 63. The most distal ubiquitin contains an arginine substitution for a lysine at position 63, limiting chain length.