

EYA2, 244-514aa, Human, His tag, E.coli

Cat.NO.: TP02064

3th Edition

Synonyms:Eyes absent homolog 2, EAB1, MGC10614.

Description:EYA2, also known as eyes absent homolog 2, is a member of tyrosine phosphatase family that specifically dephosphorylates 'Tyr-142' of histone H2AX (H2AXY142ph). This protein promotes efficient DNA repair by dephosphorylating H2AX, promoting the recruitment of DNA repair complexes containing MDC1.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

Molecular Weight:33.2 kDa (295aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMERVFVWDLDETIIFHSLLTGTFASRYGKDTTTSVRIGLMMEEMIFNLADTH
LFFNDLEDCDQIHVDDVSSDDNGQDLSTYNFSADGFHSSAPAANLCLGSGVHGGVDWMRKLAFRYRRVKEMYNT
YKNNVGGLIGTPKRETWLQLRAELEALDLDLWLTSLKALNLINSRPNCVNVLVTTTQLIPALAKVLLYGLGSVFPIENI
YSATKTGKESCFERIMQRFGRKAVYVIGDGVVEEQGAKKHNPFWRISCHADLEALRHALELEYL

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.