For Research Use Only

Phospho-TDP43 (Ser403/404) Polyclonal antibody

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Catalog Number:22310-1-AP

Basic Information

Catalog Number:
22310-1-AP

Size:
230 μg/ml

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_007375

GeneID (NCBI):
23435

UNIPROT ID:
Q13148

Full Name:
TAR DNA binding protein

Calculated MW:
43 kDa

Purification Method:
Antigen affinity purification

Applications

Tested Applications:
ELISA

Species Specificity:
human

Background Information

Transactivation response (TAR) DNA-binding protein of 43 kDa (also known as TARDBP or TDP-43) was first isolated as a transcriptional inactivator binding to the TAR DNA element of the HIV-1 virus. Neumann et al. (2006) found that a hyperphosphorylated, ubiquitinated, and cleaved form of TARDBP, known as pathologic TDP-43, is the major component of the tau-negative and ubiquitin-positive inclusions that characterize amyotrophic lateral sclerosis (ALS) and the most common pathological subtype of frontotemporal lobar degeneration (FTLD-U).10782-2-AP is a rabbit polyclonal antibody recognizing the cleavage product of 20-30 kDa in addition to the native and phosphorylated forms of TDP-43. Immunohistochemical analyses of TDP-43 using this antibody detect both normal diffuse nuclear staining and insoluble inclusions in pathologic tissues. A variety of TDP-43-positive pathological inclusions have been found in FTLD-U (now referred to as FTLD-TDP), including neuronal cytoplasmic inclusions (NCIs), dystrophic neurites (DNs), neuronal intra-nuclear inclusions (NIIs), and glial cytoplasmic inclusions (GCIs).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data