

Gene Section

Short Communication

TRAF4 (TNF receptor-associated factor 4)

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Identity

Other names: MLN62; CART1

HGNC (Hugo): TRAF4

Location: 17q11-q12

Local order: TRAF4, Lasp1(alias MLN50), c-erbB2, MLN64, MLN51.



TRAF4 (17q11-q12) - Courtesy Mariano Rocchi, Resources for Molecular Cytogenetics.

DNA/RNA

Description

5,5 kb gene; 7 exons.

Transcription

2 kb cDNA; coding sequence: 1410 bp.

Protein

Description

470 amino acids; 53 kDa; contains an amino-terminal RING finger domain, a central stretch of six putative

Zinc-binding domains (3 CART domains) and a carboxyl-terminal TRAF domain.

Expression

Epithelial cells; weak ubiquitous expression in adult tissues; stronger expression level in kidney and thymus.

Localisation

Cytoplasmic; nuclear when overexpressed.

Function

Putative signal transducer.

Homology

To TRAF proteins (Tumor Necrosis Factor Receptor Associated Factor).

Implicated in

17q11-q12 gene amplification; found in about 25% of primary breast carcinomas

Prognosis

Poor clinical outcome; increase risk of relapse.

References

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