

Rabbit Anti-T4/L-Thyroxine antibody

SL0706R

Product Name	T4/L-Thyroxine
Chinese Name	甲状腺素 T4 抗体
Alias	Thyroxine 4; T4; Tg4; L-Thyroxine; Thyroxine; 3,3',5,5''-Tetraiodo-L-thyronine, 3-[4-(4-Hydroxy-3,5-diiodophenoxy)-3,5-diiodophenyl]-L-alanine.
Research Area	Signal transduction Growth factors and hormones
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted: Human,) ELISA=1:5000-10000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Theoretical molecular weight	0.77687kDa
Cellular localization	Secretory protein
Form	Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human T4/L-Thyroxine
Lsotype	IgG
Purification	affinity purified by Protein A
Buffer Solution	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Attention	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
PubMed	PubMed
Product Detail	Hormone produced by the thyroid glands to regulate metabolism by controlling the rate of oxidation in cells. Cases of hypothyroidism, where the gland is insufficiently active, can be treated by administration of thyroxine or a

combination of thyroxine and triiodothyronine. L-Thyroxine (T4) and triiodo-L-thyronine (T3) are iodine-containing hormones produced from thyroglobulin in the thyroid follicular cells. The stimulation of metabolic rate and regulation of growth and development by these hormones appear to be due to their effects on DNA transcription and, thus, protein synthesis.

Subcellular Location:

Secreted

SWISS:

N/A

Gene ID:

51-48-9

甲状腺素（Thyroxine, T4）是甲状腺分泌最多的一种激素，血液中的 T4 全部由甲状腺分泌而来，故血液中 T4 的浓度能很好地反应甲状腺功能状态。正常情况下，血液中 60%的 T4 与甲状腺素结合球蛋白（TBG）结合，30%与甲状腺素结合前蛋白（TBPA）结合，其余约 10%与白蛋白结合，仅约 3-4%呈游离状态。由于 T4 与 TBG 亲合力较高，所以血中 T4 的水平最易受到 TBG 的影响。