

**Diazepam-Binding Inhibitor Fragment, human**  
**Synthetic Peptide**  
**Catalog # SP2108b****Specification**

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**Diazepam-Binding Inhibitor Fragment, human - Product Information**

Primary Accession  
Sequence

[P07108](#)  
**QATVGDINTERPGMLDFTGK**

**Diazepam-Binding Inhibitor Fragment, human - Additional Information**

**Gene ID** 1622

**Other Names**

Acyl-CoA-binding protein, ACBP, Diazepam-binding inhibitor, DBI, Endozepine, EP, DBI

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Diazepam-Binding Inhibitor Fragment, human - Protein Information**

**Name** DBI

**Function**

Binds medium- and long-chain acyl-CoA esters with very high affinity and may function as an intracellular carrier of acyl-CoA esters. It is also able to displace diazepam from the benzodiazepine (BZD) recognition site located on the GABA type A receptor. It is therefore possible that this protein also acts as a neuropeptide to modulate the action of the GABA receptor.

**Cellular Location**

Endoplasmic reticulum. Golgi apparatus Note=Golgi localization is dependent on ligand binding (PubMed:17953517).

**Tissue Location**

Isoform 1 is ubiquitous, with a moderate expression level. Isoform 2 is ubiquitous with high level in liver and adipose tissue. Isoform 3 is ubiquitous with strong expression in adipose tissue and heart.

**Diazepam-Binding Inhibitor Fragment, human - Images**