1. Record Nr. UNINA9910455361503321

Titolo	Myelin basic protein [[electronic resource] /] / Joan M. Boggs, editor
Pubbl/distr/stampa	New York, : Nova Science Publishers, c2008
ISBN	1-60876-247-5
Descrizione fisica	1 online resource (261 p.)
Collana	Intrinsically disordered proteins
Altri autori (Persone)	BoggsJoan M
Disciplina	572/.633
Soggetti	Myelin basic protein Myelin sheath Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"Nova biomedical"--Cover.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""MYELIN BASIC PROTEIN""; ""NOTICE TO THE READER""; ""CONTENTS""; ""PREFACE""; ""REFERENCES""; ""THE PROPERTIES AND FUNCTIONS OF THE GOLLI MYELIN BASIC PROTEINS""; ""ABSTRACT""; ""INTRODUCTION""; ""The MBP gene encodes the a€œclassica€? and golli family of proteins""; ""Features of the primary and higher ordered structure of the golli-MBPs""; ""Approaches to defining the biological roles of golli proteins in cells""; ""Unique phenotypes of the golli KO and golli overexpressing mice""; ""Emerging relevance of golli expression in pathology and disease""; ""CONCLUSION""; ""ACKNOWLEDGEMENTS"" ""REFERENCES""""POSTTRANSLATIONAL MODIFICATIONS OF MYELIN BASIC PROTEINS""; ""ABSTRACT""; ""INTRODUCTION""; ""ACETYLATION""; ""METHYLATION""; ""PHOSPHORYLATION""; ""Deamidation of glutamine at residues 103 and 147""; ""Deimination of arginine residues (citrullination)""; ""CONCLUSION""; ""REFERENCES""; ""DEIMINATION OF MYELIN BASIC PROTEIN BY PAD ENZYMES, AND THEIR ROLE IN MULTIPLE SCLEROSIS""; ""ABSTRACT""; ""INTRODUCTION""; ""MBP CHARGE ISOMERS""; ""CONSEQUENCES OF INCREASED CITRULLINATION OF MBP""; ""A. Proteolysis""; ""B. MBP autocatalysis and neoepitopes"" ""THE ROLE OF MYELIN BASIC PROTEIN IN MYELIN COMPACTION""""" BILAYER STRUCTURE IN NORMAL APPEARING WHITE MATTER (NAWM) IN MS BRAIN IS NOT a€œNORMALa€?""; ""MBP MICROHETEROGENEITY IN MS WHITE MATTER""; ""PEPTIDYL ARGININE DEIMINASES (PADS)""; ""THE

PAD2 CPG ISLAND""; ""FUTURE DIRECTIONS AND CONCLUDING REMARKS""; ""ACKNOWLEDGEMENTS""; ""REFERENCES""; ""MYELIN BASIC PROTEIN-MEDIATED IMMUNOPATHOGENESIS IN MULTIPLE SCLEROSIS AND EAE""; ""ABSTRACT""; ""INTRODUCTION""; ""EXPRESSION OF MBP IN THE CNS AND THE IMMUNE SYSTEM""; ""MULTIPLE SCLEROSIS AND EAE""
""MBP PEPTIDE SPECIFICITY OF CD4+ T CELLS IN MS""""FREQUENCY AND PHENOTYPES OF CD4+ T CELLS IN MS PATIENTS""; ""MBP PEPTIDE SPECIFICITY OF CD4+ T CELLS IN EAE""; ""EAE AND MS: TH1 VS. TH17?""; ""MBP-SPECIFIC CD4+ TCR TRANSGENIC MICE""; ""HUMANIZED MBP-SPECIFIC CD4+ TCR TRANSGENIC MICE""; ""MBP-SPECIFIC CD8+ T CELLS INVOLVED IN MS""; ""PATHOGENICITY OF MBP-SPECIFIC CD8+ T CELLS IS DEMONSTRATED IN NEW EAE MODELS""; ""B CELLS INVOLVED IN MS AND EAE""; ""IMMUNE TOLERANCE TO SELF-ANTIGENS""; ""CD4+ T CELL IMMUNE TOLERANCE TO MBP""; ""CD8+ T CELL IMMUNE TOLERANCE TO MBP""; ""CONCLUSION""
""REFERENCES""""A STRUCTURAL PERSPECTIVE OF PEPTIDES FROM MYELIN BASIC PROTEIN""; ""ABSTRACT""; ""ABBREVIATIONS""; ""INTRODUCTION""; ""CRYSTAL STRUCTURE OF HLA-DR2 (DRA*0101, DRB1*1501) COMPLEXED WITH A PEPTIDE FROM HUMAN MYELIN BASIC PROTEIN MBP85-99""; ""Peptide interactions with HLA-DR2A""; ""Peptide interactions with Ob.1A.12 TCR""; ""STRUCTURE OF HUMAN MHC CLASS II COMPLEXED WITH A LONGER EPITOPE PEPTIDE (MBP86-105) FROM HUMAN MYELIN BASIC PROTEIN""; ""Interactions with HLA-DR2a / 2b""; ""Interactions with TCR""
""Structure of a human TCR complexed with a peptide from human MBP89-101 and a MHC class II molecule""